

COLUMBIA GAS
Development



May 29, 1991

RECEIVED

MAY 30 1991

VIA AIRBORNE EXPRESS

DIVISION OF
OIL GAS & MINING

STATE OF UTAH NATURAL RESOURCES OIL,
GAS & MINING
355 W. NORTH TEMPLE, 3 TRIAD CENTRE, STE.#350
SALT LAKE CITY, UTAH 84180-1203

Attention: Mr. R. J. Firth

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

Dear Mr. Firth:

Columbia Gas Development Corporation respectfully submits two copies of the Bureau of Land Management Application for Permit to Drill along with the following attachments for approval:

- 1) Eight Point Drilling Program
- 2) Multi-Point Surface Use Plan
- 3) BOPE Diagram
- 4) Certified Surveyor's plat, cut & fill sheet & Area Topog.
- 5) Letter of Certification

If you have any questions, or require any additional information, do not hesitate to contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script that reads "Aline A. Reese".

Aline A. Reese
Regulatory Clerk

AAR
Encl.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

713/871-3400

COLUMBIA GAS DEVELOPMENT CORPORATION

3. ADDRESS OF OPERATOR

P. O. BOX 1350 HOU., TX. 77251-1350

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface
1900 FSL & 1900 FEL,

At proposed prod. hole 2293 FSL & 2017 FEL

BHL: 4700 FSL & 2700 FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15 AIRMILES WEST OF MOAB, UTAH

15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 1900'
(Also to nearest orig. well line, if any)

16. DISTANCE FROM PROPOSED LOCATION
TO NEAREST WELL DRILLING COMPLETED, 5500'
OR APPLIED FOR, ON THIS LEASE, FT.

18. NO. OF ACRES IN LEASE

280

17. NO. OF ACRES ASSIGNED
TO THIS WELL.

640

19. PROPOSED DEPTH

7367 TVD
10,070 MD PROY

20. ROTARY OR CARLS TOOL

Rotary

21. ELEVATIONS (Show whether DP, RT, OR, etc.)

GL=5576 RKB=5602

22. APPROX. DATE WORK WILL START*

July 11, 1991

PROPOSED Casing and CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Set	20"	94#	530	520 SX TO SURFACE
17 1/2"	13 3/8"	61#	4500	670 sx to 3500'
12 1/4"	9 5/8"	53#	7450	1400 SX TO 4100'
	5 1/2"	20"	10070	(Production liner)

RECEIVED

MAY 30 1991

DIVISION OF
OIL GAS & MINING

See attached for additional supplemental info.:

- 1) Eight Point Drilling Program
- 2) Multi-Point Surface Use Plan
- 3) BOPE Diagram
- 4) Certified surveyor's plat, cut & fill sheets
& Area Topog.
- 5) Letter of certification

CONFIDENTIAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive unit and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

31.

SIGNED

R. J. Riley

TITLE

Superintendent Moab Area

(This space for Federal or State office use)

PERMIT NO.

43-019-31305

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE:

BY:

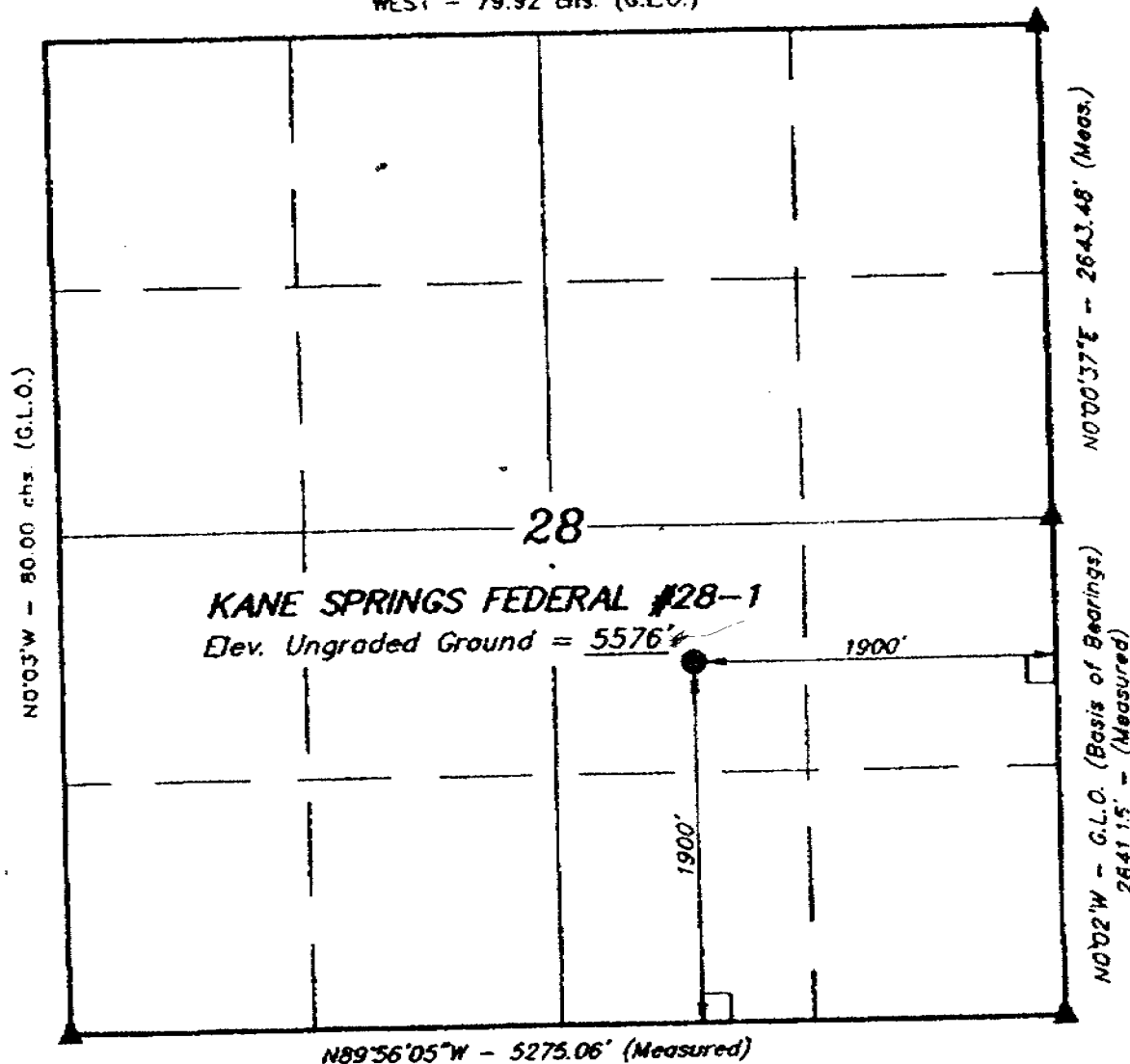
9/10/91
Matthew

*See Instructions On Reverse Side

WELL SPACING: 615-2-3

T25S, R19E, S.L.B.&M.

WEST - 79.92 chs. (G.L.O.)



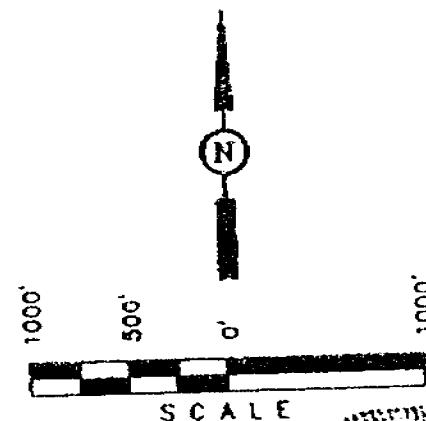
▲ = SECTION CORNERS LOCATED. (Brass Caps)

COLUMBIA GAS DEVELOPMENT CORP.

Well location, KANE SPRINGS FEDERAL #28-1, located as shown in the NW 1/4 SE 1/4 of Section 28, T25S, R19E, S.L.B.&M. Grand County, Utah.

BASIS OF ELEVATION

THE KNOLL TRIANGULATION STATION LOCATED IN SECTION 11, T26S, R19E, S.L.B.&M. TAKEN FROM THE KNOLL QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6316 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Gray
REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

REVISED: 5-22-91 R.E.H.

UTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE 5-17-91
PARTY J.T.K. B.D. T.D.H.	REFERENCES G.L.O. PLAT
WEATHER WARM	FILE COLUMBIA GAS DEV. CORP.

EIGHT-POINT DRILLING PROGRAM

COMPANY: COLUMBIA GAS DEVELOPMENT CORPORATION
WELL NAME: KANE SPRINGS FEDERAL #28-1
LOCATION: 1900' FSL & 1900' FEL OF SEC. 28, T25S, R19E
GRAND COUNTY, UTAH
ONSITE INSPECTION DATE: May 21, 1991

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulation (43 CFR 3100), Onshore Oil & Gas Order No.1, and the approved plan of operations. A copy of these conditions will be furnished to the field representative to insure compliance.

A. DRILLING PROGRAM

1. Estimated Geologic Markers

Formation Tops	Depth	Subsea	RKB=26
Wingate	Surface	+5576	
Chinle	472	+5130	
Moenkopi	852	+4750	
Cutler	1352	+4250	
Rico	2132	+3470	
Hermosa	2592	+3010	
Paradox Salt	4382	+1220	
Cane Creek	7327	+1725	

2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals

Formation Tops	Depth	Subsea	Remarks
Wingate	Surface	+5576	Fresh water
Cane Creek	7327	+1725	Oil

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected.

3. Operator's Minimum Specification for Pressure Control Equipment

The Moab District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing of BOPE.

A rotating head and blooey line will be rigged up on the conductor and surface pipe. See Exhibit C-1.

One (1) 2000 psi annular bag-type preventer will be utilized while drilling the surface hole.

One (1) annular bag-type and three (3) ram-type preventers will be utilized while drilling below the intermediate pipe. Ram preventers are to be tested to seventy percent (70%) of working pressure, or seventy percent (70%) of burst rating of intermediate pipe, whichever is less. Annular preventer is to be tested to fifty percent (50%) of working pressure - See exhibits C-2.

Choke Manifold will meet or exceed the requirements of the typical 5M manifold as in Onshore Order #2. See Exhibit C-3.

All BOPE and testing procedures will be consistent with API RP-53 and will be conducted before drilling out casing shoe. Preventers will be inspected and operated at least once daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report.

4. Casing Program and Auxiliary Equipment

The Moab District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

Surface pipe:

INTERVAL	SIZE	WT	GR	CONN	BURST/SF	COL/SF
0-530'	20"	94#	H40	STC	1530/6.9	581M#/9.3

Set 50' into the Chinle. Cemented to Surface with 520sx Class B.

Intermediate Pipe:

INTERVAL	SIZE	WT	GR	CONN	BURST/SF	COL/SF
0-4500'	13-3/8"	61#	K55	STC	3090/1.14	1540/1.55

TENSION/SF
633M/2.30

Cemented with 265sx lightweight plus 415sx Class B, with estimated top of cement at 3500'. Pressure test to 2160 psi before drilling

out shoe.

Collapse design based on .22 psi/ft gradient. Burst design based on shoe test of 13.5 ppge less .1 psi/ft gradient.

Production Pipe:

INTERVAL	SIZE	WT	GR	CONN	BURST/SF	COL/SF	TENSION/SF
0-7450'	9-5/8"	53	S95	LTC	9410/1.92	8850/1.2	1235M/2.29

Cement w/1400 sx Class "G", with estimated top of cement at 4100'. Pressure test to 5000 psi before drilling out shoe.

Collapse design based on 1.0 psi/ft overburden gradient. Burst based on max. mud weight in offset wells (17.0 ppg) less .22 psi/ft oil gradient.

Production Liner:

INTERVAL	SIZE	WT	GR	CONN	BURST/SF	COL/SF	TENSION/SF
7000-10070	5-1/2	20	S95	BTC	10680/NA	10680/1.43	554M/9.02

Auxilliary Equipment:

- A. A Kelly cock will be kept in the string at all times.
- B. A stabbing valve will be kept on the derrick floor at all times.
- C. A float will not be used, other than when air drilling.

5. Proposed Mud Program

No chromates will be used in the well.

DEPTH	MUD WT	VIS	PV	YP	WL	TYPE MUD
0-530'	---	---	---	---	---	Air/Mist
530-4500'	---	---	---	---	---	Air/Mist
4500-7300	TVD 9.6	42-46	18	21	<10	Oil Base
7300-7330	TVD 9.6-12.5	42-46	18	21	<10	Oil Base
7330-7367	TVD 16.5	54-57	35	21	<4	Oil Base

6. Coring, Logging & Testing Program

- A. Drill Stem Tests: None planned.
- B. Well Logging & Intervals:

LOG	INTERVAL
Induction/Sonic/GR	4500-6917 TVD
MWD-Induction/GR	will be attempted in the horizontal section (6917-10070 MD, 7367TVD)

- C. Cores: A 30' oriented core will be attempted in the Cane Creek formation.

- D. Directional Surveys: This well as proposed will be drilled vertically to 6917' and then drilled as a medium radius horizontal well in the direction of N 16 W for a total displacement of 2912'. Inclination tests will be taken at 500' and 1000' max. intervals until KOP. At KOP a multi-shot will be taken. During the angle build portion, surveys will be taken at 90' maximum intervals. During the horizontal portion of the hole, surveys will be taken at 200' maximum intervals.

- E. Samples: samples will be taken at 10' intervals from 4500' to TD.

- F. There will be a mud logger on location from 4500' (below intermediate pipe) to TD.

- G. Completion Procedure: To be submitted on Form 5 under "Approval of Subsequent Operations."

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations will be filed with Form 3160-4.

7. Anticipated Abnormal Pressures, Temperatures or Potential Hazards

- A. Abnormal pressure is anticipated in the Cane Creek formation. The proposed casing program and pressure control equipment has been designed based on the anticipated abnormal pressures of the Cane Creek formation.

B. Hydrogen Sulfide is not anticipated.

8. Notification of Operations & Other Information

A. Construction of Location is scheduled to start on July 11, 1991.

B. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from well to be placed in a suspended status without prior approval of the AO.

C. Spud date is scheduled for July 25th, 1991. The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or a holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

D. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revisions.

E. If replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Notification will be made no later than five (5) days following the date on which the well is placed on production.

Venting/Flaring of gas during initial well evaluation tests will not exceed a period of thirty days or the production of 50 MMCF of gas, whichever occurs first. An application will be filed with the District Engineer and approval received, for any Venting or Flaring beyond the initial 30 day authorized test period.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" will be filed with the AO within 30 days following completion of the well for abandonment operations.

There will be no deviation from the proposed drilling and/or workover program without prior approval of the AO. Safe drilling and operating practices will be observed.

This well, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

COMPANY :	Columbia Gas Development Corporation
WELL NAME & NUMBER:	Kane Springs Federal #28-1
LEASE NO.:	SL: USA-50678, BH: U48351
LOCATION:	NW/4 SE/4 Sec. 28, T26S, R19E
SURFACE OWNERSHIP:	Bureau of Land Management

NOTIFICATION REQUIREMENTS

Notify Elmer Duncan of the Grand Resource Area, at (801)259-8193 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

1 day prior to running and cementing surface casing;

1 day prior to pressure testing of surface casing.

Notify the Moab District Office, Branch of Fluid Minerals at (801)259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the Assistant District Manager, Minerals Division. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed.

Dale Manchester, Petroleum Engineer Office: (801)259-6111
Home: (801)259-6239

Eric Jones, Petroleum Engineer Office: (801)259-6111
Home: (801)259-2214

If unable to reach the above individuals including weekends, holidays or after hours please call the following:

Lynn Jackson,
Chief, Branch of Fluid Minerals Office: (801)259-6111
Home: (801)259-7990

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS

ONSITE DATE: May 21, 1991

THIRTEEN POINT SURFACE USE PROGRAM

MULTIPOINT REQUIREMENTS TO ACCOMPANY APD

1. EXISTING ROADS

- A. Existing road and location in relation to location submitted on Map "A" and Map "B".
- B. From Moab, Utah:

Travel North on Hwy 191 for 11 miles. Turn left on Hwy 313 and go 10.5 miles to existing dirt road on right. Turn right onto existing dirt road and go 0.8 mile to location.
- C. Description of roads in area: All weather asphalt & dirt road (two wheel jeep road).

2. PLANNED ACCESS ROADS

- A. Length: Approx. 0.8 mile of existing dirt road.
- B. Width: Upgrade to eighteen foot (18') running surface.
- C. Maximum Grades: 8%
- D. Turnouts: Do not anticipate any turnouts.
- E. Drainage Design: There will be minimum disturbance during drilling phase. If the well is a producer upgrading will be done as required.
- F. Location and size of culverts and/or bridges, and brief description of any major cuts and fills: None
- G. Surface Material Source: Native materials
- H. Necessary gates, cattleguards, or fence cuts and/or modification to existing facilities: None
- I. Notification will be given to the Bureau of Land Management, District Office, with sufficient lead time, prior to the construction of access road, and drill pad.

Access and location under the jurisdiction of the Bureau of Land Management.
- J. Columbia Gas Development Corporation will provide Dirt Contractor with necessary maps, pad and road construction plans.

3. LOCATION OF EXISTING WELL

With-in a one mile radius of this proposed well there is one completed well.

Kane Springs Federal #27-1
Sec.27 - T25S - R19E
Grand County, Moab.

With-in a one mile radius of this proposed well there are no known:

water wells, abandoned wells, disposal wells, injection wells, monitoring wells nor drilling wells.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

Notification will be given to the Bureau of Land Management, District Office, with sufficient lead time, prior to construction of production facilities.

A. If well is productive, new on-well pad facilities and lines will be submitted as "as built" under the following guidelines:

1. Tank battery and/or location will be surrounded by a dike of sufficient capacity to contain the contents of the largest vessel within the dike plus one day's production.
2. Facilities will be placed in cut as much as possible.
3. A wind-sock will be placed on the Tank battery so it is visible from all parts of the location.
4. All internal combustion engines associated with production facilities will be equipped with noise reducing mufflers.
5. All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat non-reflective, earthtone color to match one of the standard environmental colors as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation. Facilities required to comply with O.S.H.A. will be excluded.
6. Fire prevention and suppression requirements for operations on Federal lands will be followed as per Bureau of Land Management guidelines.
7. No permanent above ground pipelines will be installed

between the wellhead and treater or between the treater and flare pit.

8. All spills (production water or oil) or pipeline breaks outside the diked area will be reported within the 24 hours to the District office.

5. LOCATION AND TYPE OF WATER SUPPLY

The necessary permits will be obtained by the operator from the appropriate State Water Rights Division office for the use of water at the drillsite.

Fresh water & salt water will be trucked by a local trucking company.

6. SOURCE OF CONSTRUCTION MATERIALS

No construction materials will be used other than native materials. Soil from cuts will be used in fills. No outside materials will be brought in.

7. METHODS FOR HANDLING WASTE DISPOSAL

- A. Methods and location of proposed safe containment and disposal of each type of waste material:

1. Cuttings will be deposited in the reserve pit.
2. Drilling fluids will be confined to mud tanks and reserve pit if necessary. At rig release, mud will be returned to supplier for storage.
3. Produced water: While testing the well, all produced water will be contained in a storage tank. If well is a producer, a saltwater storage tank will be in
4. Sewage will be disposed of according to county and state requirements in a portable chemical toilet, holding tank system or in a hole at least 16 deep excavated in the cut portion of the well pad.
5. Portable dumpsters will be used for all trash. All trash will be hauled offsite.

- B. The Reserve pit shall be constructed so as not to leak, break, or allow discharge. The Reserve pit shall not be lined unless post construction inspection indicates a need to do so.

- C. After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the ninety day period, in accordance with NTL-2B, an application for approval of permanent disposal method and location, along with required water analysis, shall be submitted for the authorized officer's approval.

8. ANCILLARY FACILITIES

No camp, airstrip or other facility will be built during the drilling of this well.

9. WELL SITE LAYOUT

A. See attachment for the Location Layout showing the following: Substructure, Engine, Mud pumps, Mud tanks, Diesel tank, Water Tank, Light plant, Dog house, Bunk house, Pipe racks, Catwalk, Mud mixer, Change house, Trailers, Trash bin, parts house, and air equipment.

Also attached is a cross section diagram showing cuts & fills in relation to existing topography.

The location will be constructed large enough to accommodate the drilling rig and associated equipment with allowance made for future completion and production equipment.

No topsoil stripping will be done when soils are moisture saturated to a depth of 3 inches, or frozen below stripping depth.

B. Fencing requirements - All pits will be fenced according to the following minimum standards:

1. 30-inch net wire shall be used with at least one strand of barbed wire on top of the net wire.
2. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of fence shall be 42-inches.
3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
5. All wire shall be stretched, by using a stretch-

ing device, before it is attached to the corner posts.

The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

10. PLANS FOR RESTORATION OF SURFACE

A. Producing location

1. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1
3. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within ninety (90) days from the date of well completion. Before any dirt work takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc., will be removed.
4. Seed mixtures to be used in rehabilitation will be provided by the BLM District Office. Seed mixtures will be certified weed free and seeding will be accomplished August 1 and March 30. Seed tags will be submitted to the area manager within 30 days of seeding.
5. Site rehabilitation will be completed within six (6) months, weather permitting. Before any production facilities are constructed, a site reclamation plan will be submitted to the District Office for all areas not required for production facilities.

B. Dry Hole/Abandoned Location

1. At such time as well is plugged and abandoned, the operator shall submit a subsequent report of abandonment
2. The location will be rehabilitated within six (6) months, weather permitting, from the date

the well is plugged.

11. SURFACE OWNERSHIP

Surface location and access roads are owned by the United States of America under jurisdiction of the Bureau of Land Management.

12. OTHER INFORMATION

- A. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archeological sites, or for collecting artifacts. If historic or archeological materials are uncovered during construction, the operator will immediately stop work that may further disturb such materials and contact the authorized officer. Columbia Gas Development Corporation will comply with the requirements set forth by the BLM Surface Use Stipulations.
- B. Columbia Gas Development Corporation has One Hundred and Fifty Thousand (\$150,000.00) dollar Nationwide Bond.
- C. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.
- D. There will be no deviation from the proposed drilling program without prior approval from the District.
- E. Sundry Notice and Report on wells (Form 3160-5) will be filed for approval of all changes of plans and other operations in accordance with 43 CFR 3164.

F. Environmental and Environmental Impacts.

1. Setting is approximately 15 air miles west of Moab, Utah, 8.5 miles NW of Deadhorse Point State Park, and 7 miles N of Canyonlands National Park.
2. Surface disturbance will be approximately 2.3 acres during the drilling phase and approximately 1.0 acre in the completion/production phase. The affected area has an estimated vegetation coverage of 5-10%. The topsoil will be replaced during abandoned procedures and reseeded. Surface impact will be temporary with no residual impacts. The surface location was moved as a result of the onsite meeting to reduce the amount of surface disturbance.
3. Visual impacts will be limited to the drilling phase. The top section of the derrick will be visible from Hwy 313 for approximately 50 days.
4. Audible impacts will be the greatest during the drilling and completion phases. Engine noise will be noticeable up to 3/4 mile during the drilling operations (estimated 50 days) and a 1/4 mile during the completion operations (estimated 10 days).
5. Particulate impacts will be temporary and local if dry soil conditions exists during construction and heavy traffic periods. Fugitive dust will be controlled by watering the road as necessary during pad construction and periods of heavy traffic.
6. Recreation impacts are anticipated to be minimal. There will be approximately 44 truckloads of equipment to move the drilling rig in and the same numbers to move the rig out some 50 plus days later. Anticipated increased traffic other than moving the rig

is 10-15 more vehicles per day during the drilling phase and 5-10 more vehicles per day during the completion phase. Increased traffic in the production phase will be one auto per day and three truckloads until a pipeline is installed. Other than some minimal increased traffic, recreation impacts would be limited to the occasional hiker or biker.

13. LESSEE'S OR OPERATOR REPRESENTATIVE AND CERTIFICATION


Columbia Gas Development Corporation
P. O. Box 1360
Houston, Texas 77261-1360
713/871-3400

All lease and /or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and, that the work associated with the operations proposed here will be performed by Columbia Gas Development Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date: 5/23/91



R. J. Pier, Superintendent, Moab Area

EXHIBIT C-1

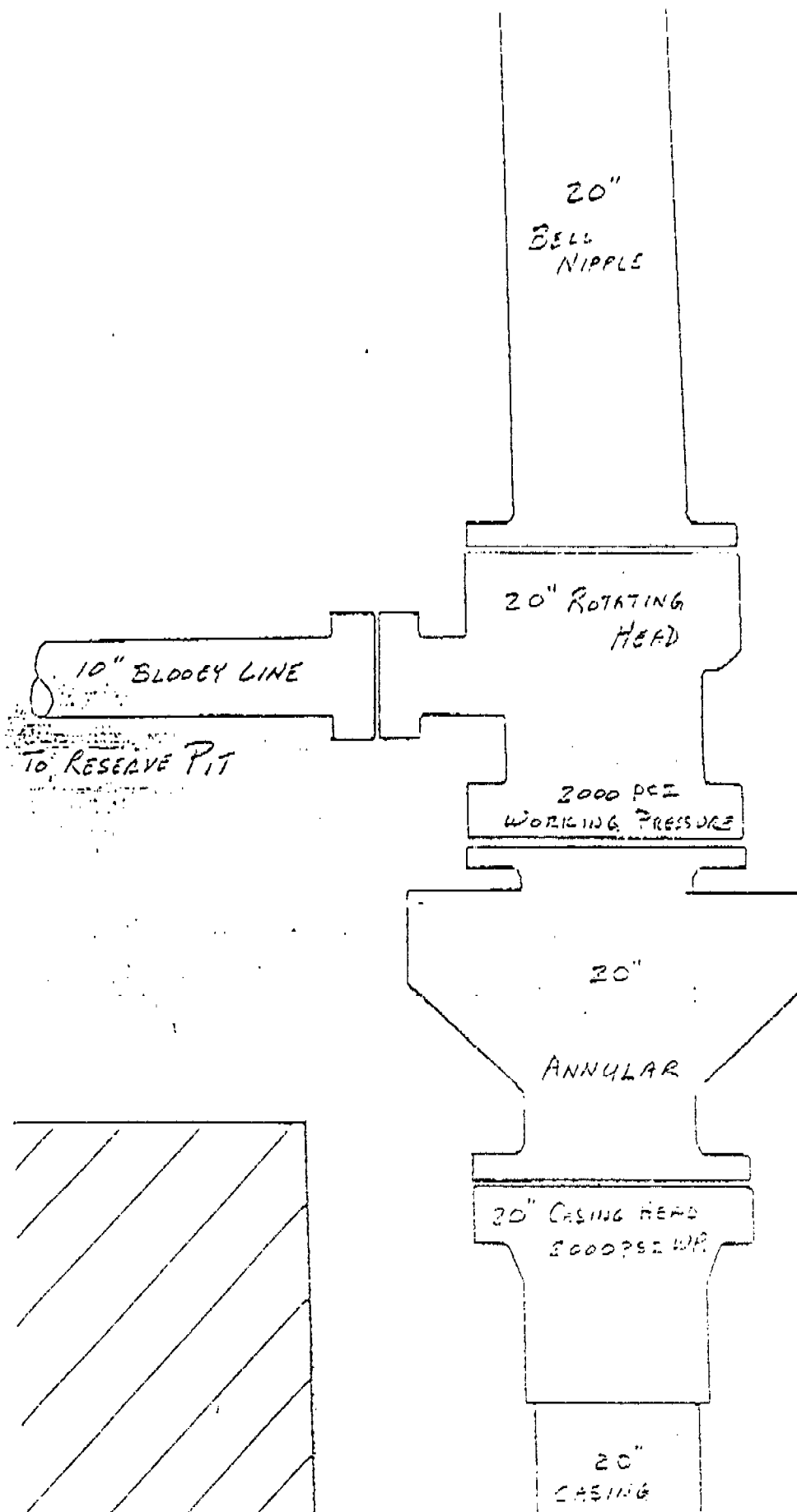
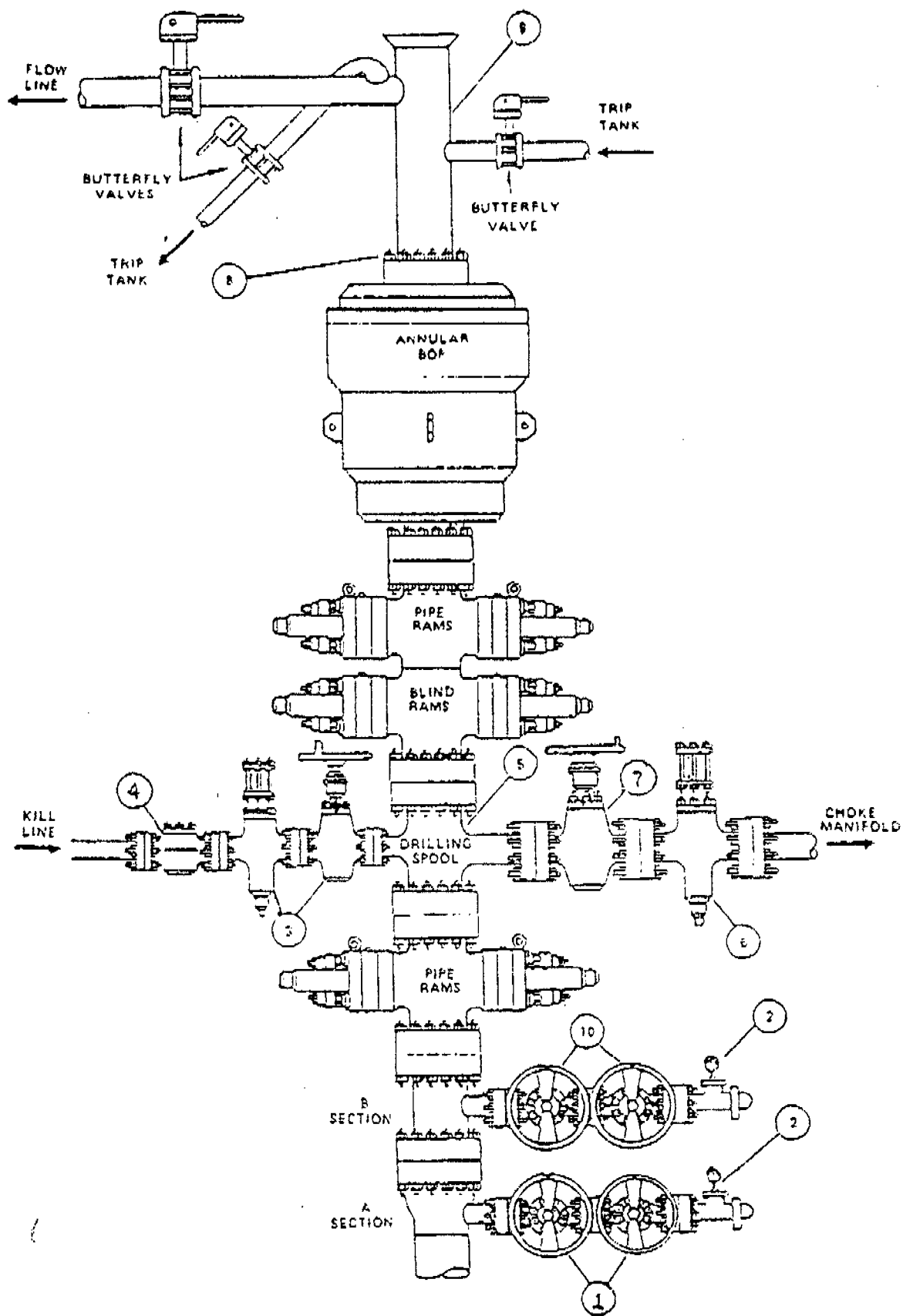


EXHIBIT C-2



COMPONENT SPECIFICATIONS

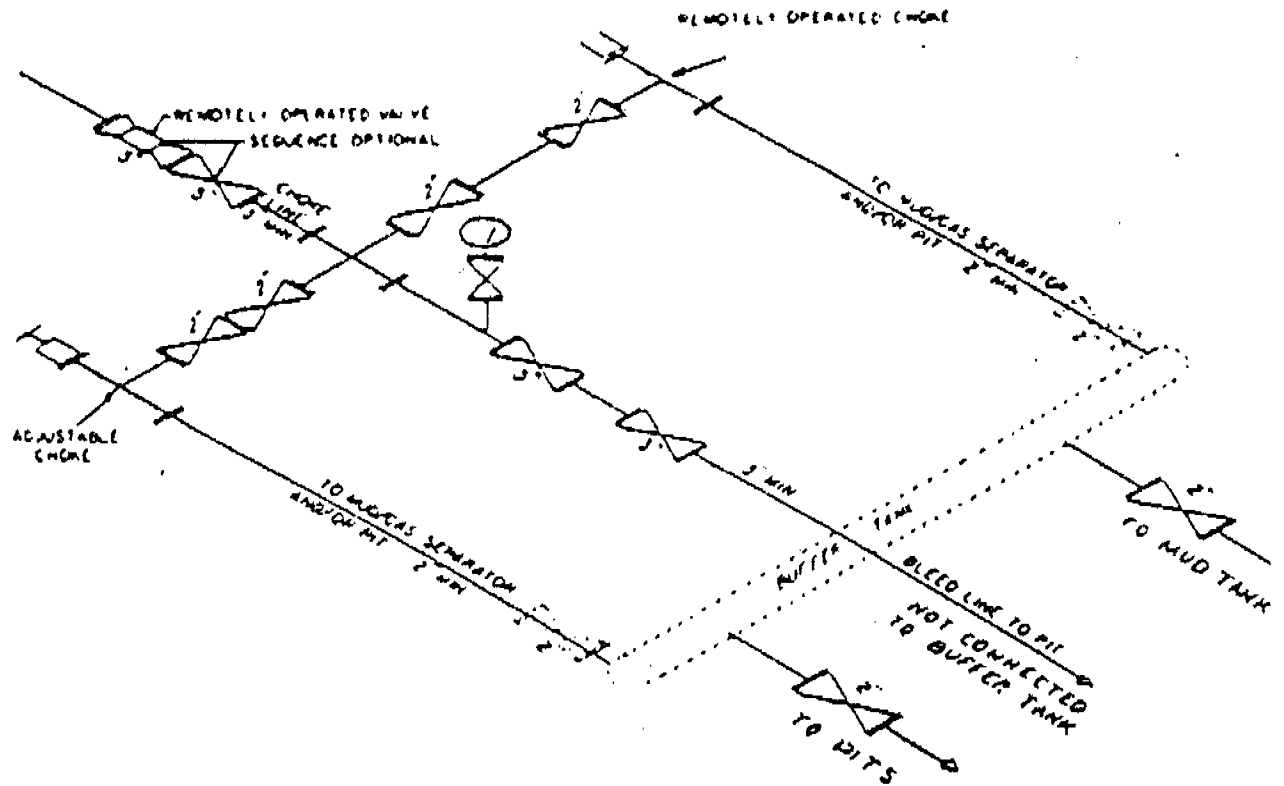
1. Screwed or flanged plug or gate valves — 2" minimum nominal dia. — same working pressure as "A" section.
2. Tee with tapped bullplug, needle valve, and pressure gauge
3. Flanged plug or gate valve — 2" minimum nominal dia. — same working pressure as BOP stack. Second valve up stream may be hydraulically controlled.
4. Flanged flapper type check valve — 2" minimum nominal dia. — same working pressure as BOP stack.
5. Drilling spool of sufficient height to allow stripping with 2 flanged side outlets — 3" choke and 2" kill line minimum nominal dia. (See Table II-4 and Note D.)
6. Flanged hydraulically controlled gate valve — 3" minimum nominal dia. — same working pressure as BOP stack. (See Note D.)
7. Flanged plug or gate valve — 3" minimum nominal dia. — same working pressure as BOP stack.
8. Top of annular preventer must be equipped with an API flange ring gasket. All flange studs must be in place or holes filled in with screw type plugs.
9. The I.D. of the bell nipple must not be less than the minimum I.D. of the BOP stack.
10. Flanged plug or gate valve — 2" minimum nominal dia. — same working pressure as "B" section.

NOTE:

The choke line between the drilling spool and choke manifold should not contain any bend or turn in the pipe body. Any bend or turn required should be made with a running tee with a blind flange or welded bullplug. All connections should be flanged or welded. All fabrications requiring welding must be done by a certified welder. Welds should be stress relieved when required.

Plug valves should be equivalent to the Howco Lo-Torc and gate valves equivalent to the Cameron Type "F".

EXHIBIT
C-3



5M CHOKER MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of monitoring the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, or 15M drawings, it would also be applicable to those situations.

[FR Doc. 88-28736 Filed 11-17-88; 2:45 am]
GPO: 1988 O-88-28736

COLUMBIA GAS
Development

May 17, 1991

BUREAU OF LAND MANAGEMENT
Grand Resource Area Office
88 S. Sand Flats Road
Moab, Utah 84532

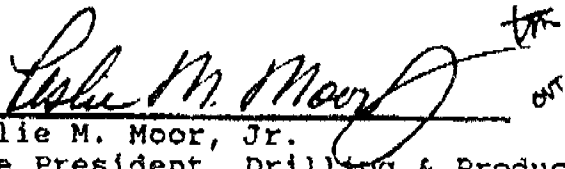
RE: COLUMBIA GAS DEVELOPMENT CORPORATION
LETTER OF CERTIFICATION

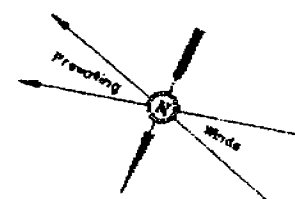
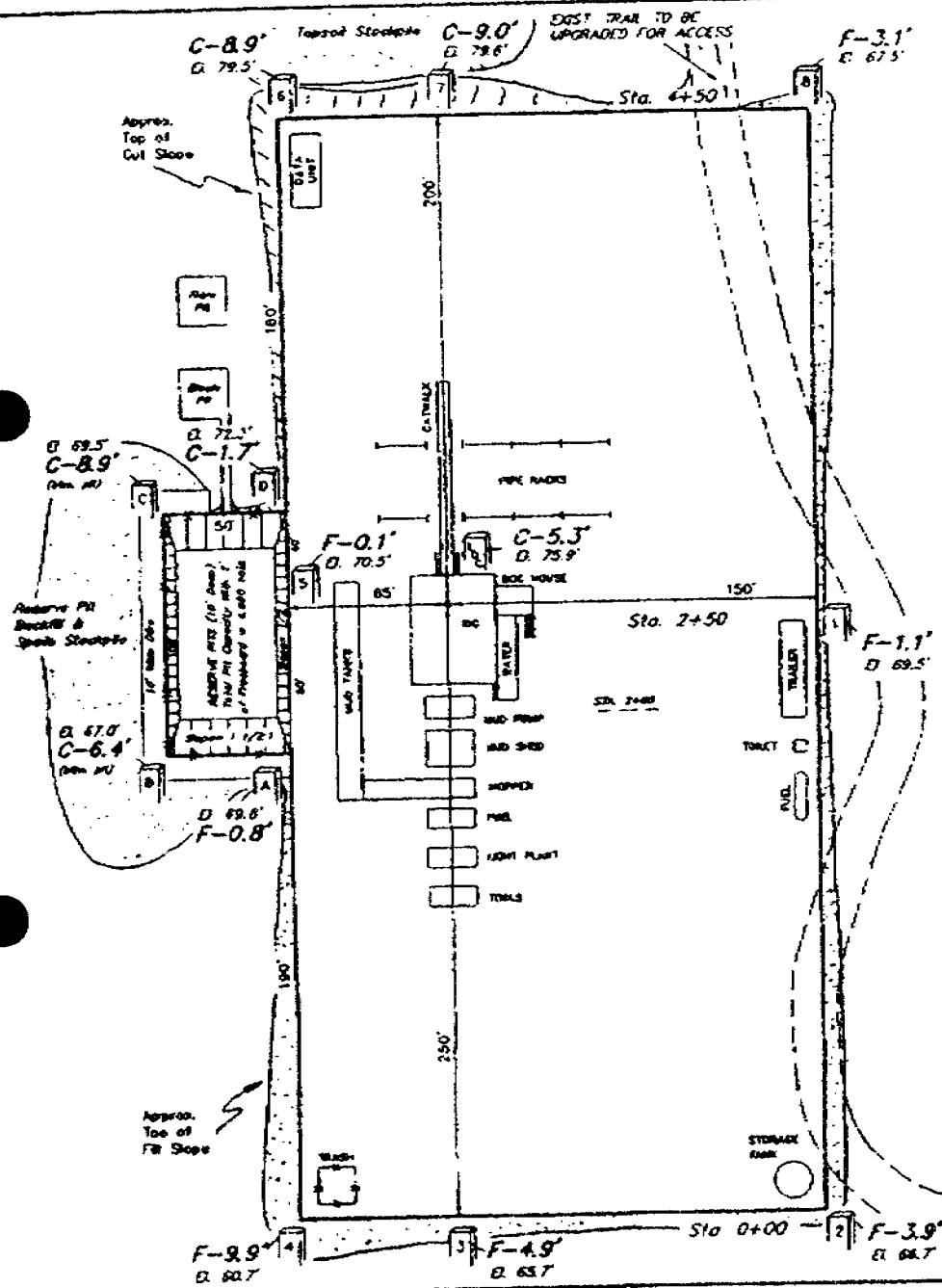
Columbia Gas Development Corporation hereby certifies that it is
the operator of the following wells:

Kane Springs Federal #28-1
Kane Springs Federal #14-1
Kane Springs Federal #20-1
Kane Springs Federal #10-1

Columbia Gas Development Corporation shall be responsible for
complying with the terms and conditions of the lease for all the
operations conducted on the leased land.

Signed this 17th day of May, 1991.


Leslie M. Moor, Jr.
Vice President, Drilling & Production



SCALE: 1" = 50'
DATE: 3-22-91
Drawn By: J.D.M.

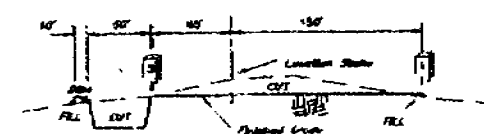
X-Section Scale
1" = 100'

TYP. CROSS SECTIONS
TYP. LOCATION LAYOUT

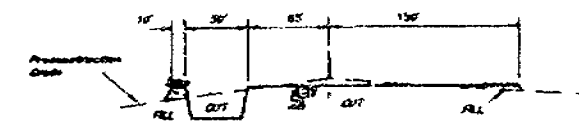
COLUMBIA GAS DEVELOPMENT CORP.
LOCATION LAYOUT FOR
KANE SPRINGS FEDERAL #28-1
SECTION 28, T25S, R19E, S.L.B. 864.



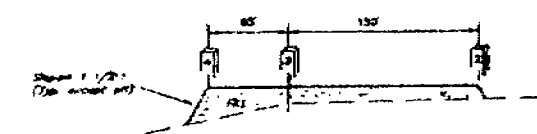
STA. 4+50



STA. 2+50



STA. 2+05



STA. 0+00

APPROXIMATE YARDAGES

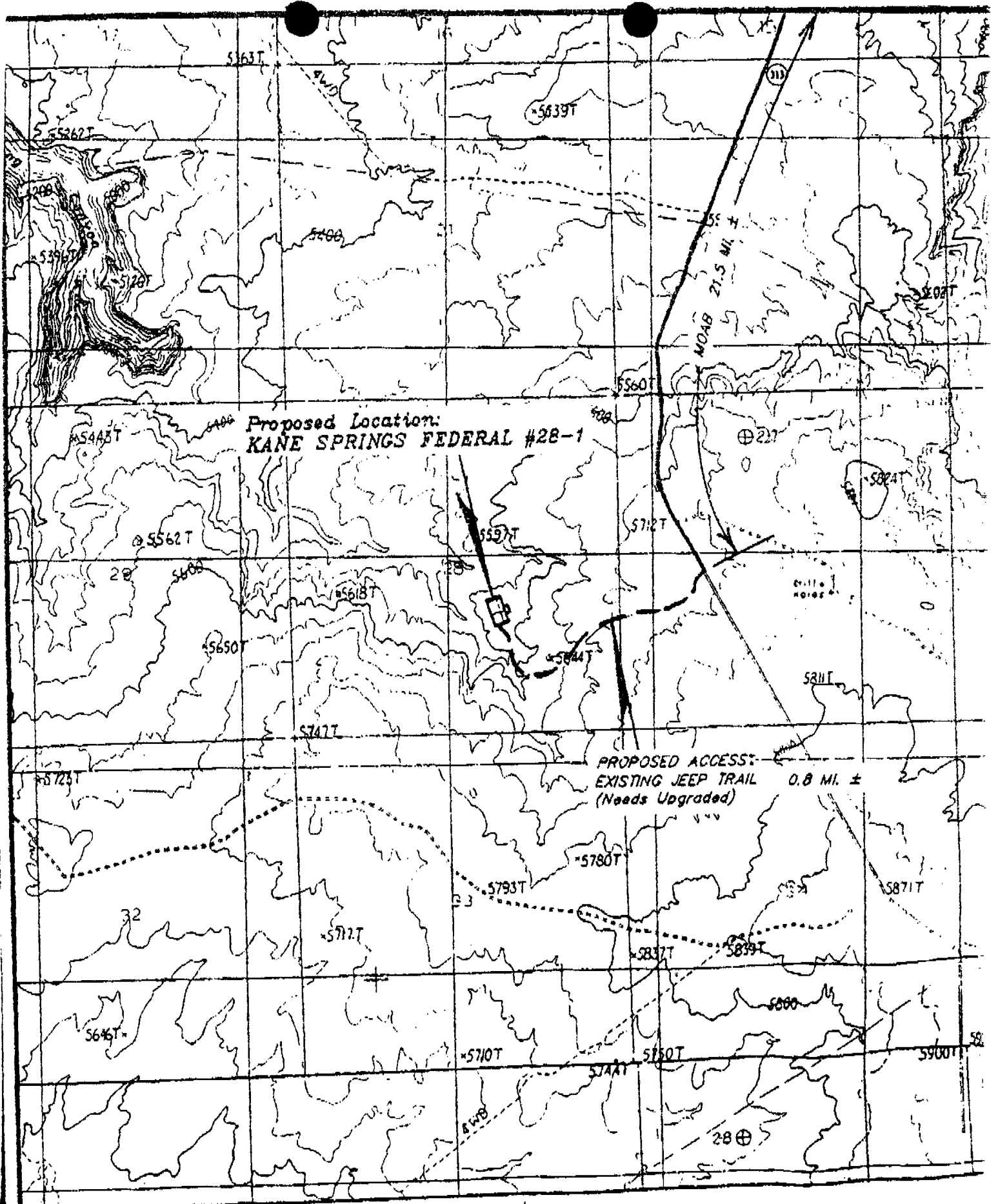
CUT	
(6') Topsoil Stripping	= 1,880 Cu. Yds.
Remaining Location	= 2,430 Cu. Yds.
TOTAL CUT	= 9,310 CU. YDS.
FILL	= 6,300 CU. YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,680 Cu. Yds.
Topsoil & PR Backfill (1/2 PR Vol.)	= 2,510 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 170 Cu. Yds.

NOTES:

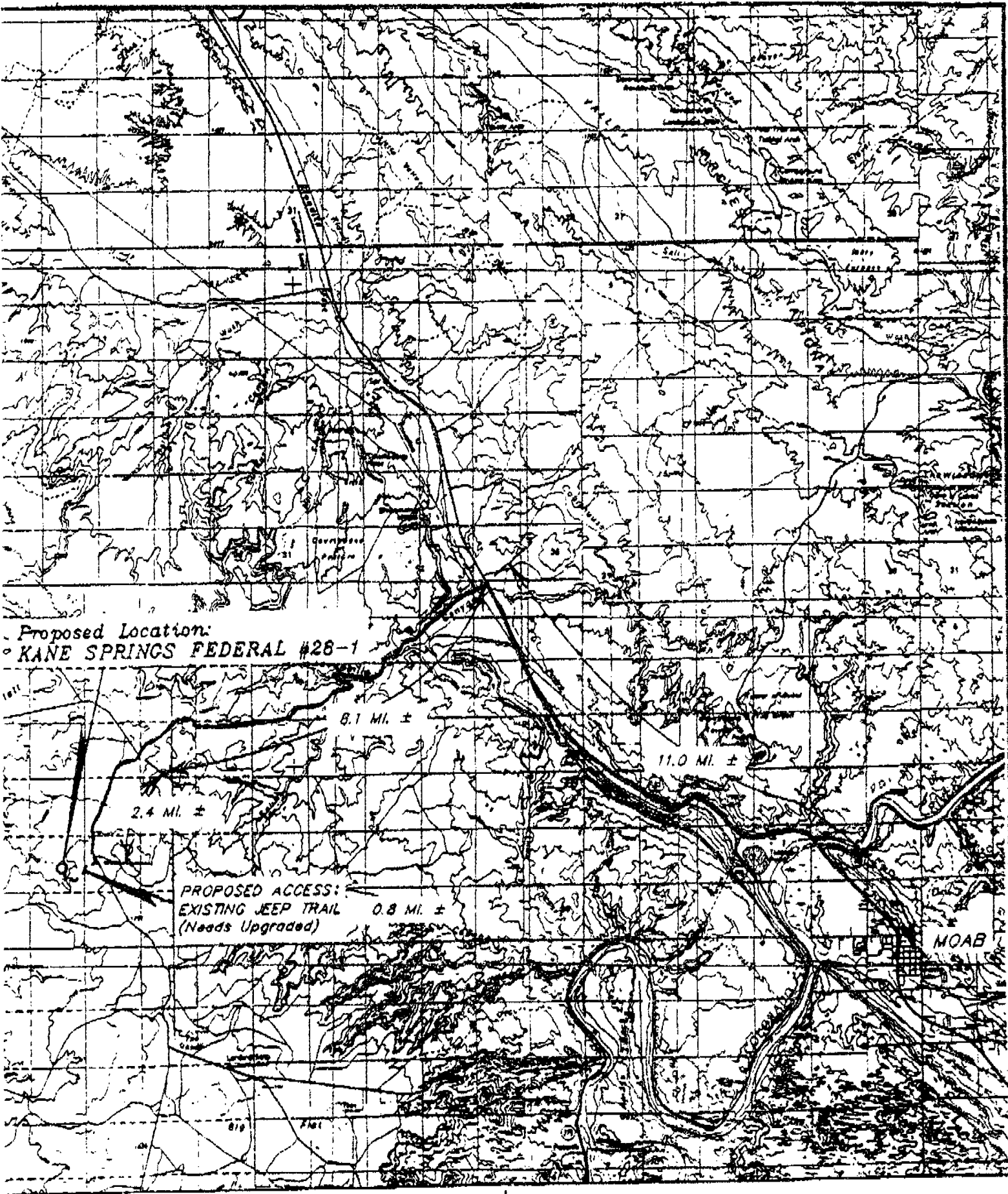
Dist. Ungraded Ground At Loc. Stake = 5575.9'
FINISHED GRADE ELEV. AT LOC. STAKE = 5570.5'

UINTAH ENGINEERING & LAND SURVEYING
80 South 250 West, P.O. Box 1000, Salt Lake City, UT 84111



TOPOGRAPHIC
MAP "B"
SCALE: 1" = 2000'

COLUMBIA GAS DEVELOPMENT CORP.
KANE SPRINGS FEDERAL #28-1
SECTION 28, T25S, R19E, S.L.B. & M.



TOPOGRAPHIC
 MAP "A"



COLUMBIA GAS DEVELOPMENT CORP.

KANE SPRINGS FEDERAL #28-1
 SECTION 28 T25S. R19E. S.L.B.&M.

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
\$fc.USA50678 BHL-U4835

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Kane Springs Federal

8. FARM OR LEASE NAME

Unit

Kane Springs Federal

9. WELL NO.

#28-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 28-T25S-R19E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

CONFIDENTIAL

14. PERMIT NO.

NA

15. ELEVATIONS (Show whether DF, WT, GA, etc.)

Ground 5576 RKB=5602

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Revision to APD

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

PLEASE NOTE, A 5M CHOKE MANIFOLD WILL BE USED INSTEAD OF THE 3M MANIFOLD AS STATED IN THE APD RECENTLY SUBMITTED.

RECEIVED

JUN 07 1991

DIVISION OF
OIL GAS & MINING

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9/10/91
BY: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED

Aline A. Reese

TITLE

Regulatory Clerk

DATE

6/5/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

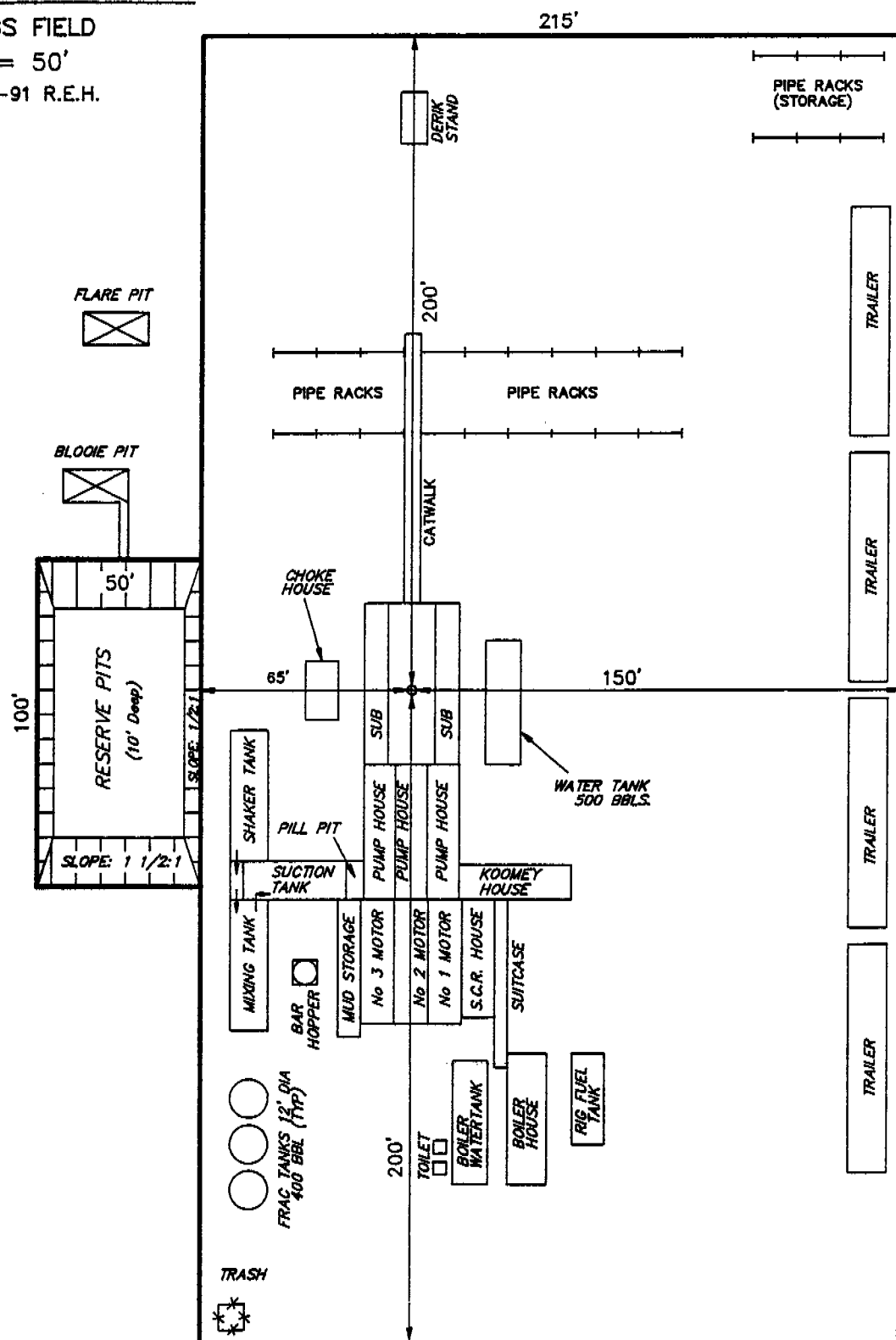
COLUMBIA GAS DEVELOPMENT

TYPICAL RIG LAYOUT

KANE SPRINGS FIELD

SCALE 1" = 50'

REVISED: 6-17-91 R.E.H.



DATE: 6-13-91 MDA

UINTAH ENGINEERING & LAND SURVEYING

85 So. 200 East Vernal, Utah

OPERATOR Columbia Gas Distrib N-5035 DATE 6-11-91

WELL NAME Rose Springs Fed 018-1

SEC N1/2E 018 T 05S R 19E COUNTY Grand

43-019-31305

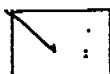
API NUMBER

Federal (1)

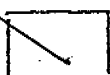
TYPE OF LEASE

CONFIDENTIAL

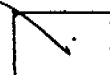
CHECK OFF:



PLAT.



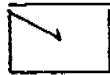
BOND



NEAREST
WELL



LEASE



FIELD
SLBM



POTASH OR
OIL SHALE

PROCESSING COMMENTS:

Unit off 6-07-90 will fall within Unit

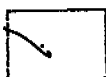
Water Permit

ROCC 5-00-91

Potash area

APPROVAL LETTER:

SPACING:

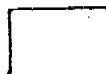


R615-2-3

Rose Springs
UNIT



R615-3-2



N/A

CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

1. Needs water permit

2. Potash area

3. Reserve pit will be flagged to prevent bird use

**CONFIDENTIAL
PERIOD
EXPIRED**

ON 3-24-93

COLUMBIA GAS

Development



June 20, 1991

STATE OF UTAH NATURAL RESOURCES OIL,
GAS & MINING
355 W. NORTH TEMPLE, 3 TRIAD CTR., STE.#350
SALT LAKE CITY, UTAH 84180-1203

Attention: Mr. R. J. Firth

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

Dear Mr. Firth:

Please find enclosed two copies of the Sundry Notice filed with the BLM regarding a reduction in size of the pad layout at the above proposed location.

The revision is to accomodate the archeological sites discovered at the location during the survey.

If you have any questions, or require any additional information contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese
Regulatory Clerk

AAR
Encl.

RECEIVED

JUN 24 1991

DIVISION OF
OIL GAS & MINING

SUNDRY NOTICE AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Kane Springs Fed. Unit

8. FARM OR LEASE NAME

Kane Springs Federal

9. WELL NO.

#28-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec.28-T25S-R19E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Columbia Gas Development Corporation 713/871-3400

3. ADDRESS OF OPERATOR

P. O. Box 1350 Hou., TX. 77251-1350

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1900' FSL & 1900' FEL of Sec.28-T25S-R19E

14. PERMIT NO.

NA

15. ELEVATIONS (Show whether DT, RT, GR, etc.)

Ground 5576

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANE

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREATMENT

REPAIRING WELL

☐
☐
☐
☐

SHOOTING OR ACIDIZING

ALTERING CASING

(Other)

Revision of Pad Layout

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

CONFIDENTIAL

Attached are four copies of the revised pad layout for the captioned location.

The Pad layout was reduced to accomodate archeological sites discovered during the survey.

RECEIVED

JUN 24 1991

DIVISION OF
OIL GAS & MININGAPPROVED BY THE STATE
OF UTAH DIVISION
OIL, GAS, AND MININGDATE: 6/20/91
[Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]
Aline A. Reese

TITLE

Regulatory Clerk

DATE

6/20/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

COLUMBIA GAS

Development



June 24, 1991

RECEIVED

JUN 25 1991

VIA AIRBORNE EXPRESS

DIVISION OF
OIL GAS & MINING

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT OFFICE
82 E. DOGWOOD
MOAB, UTAH 84532

Attention: Mr. Dale Manchester

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL #28-1 KANE SPRINGS STATE #36-1
SEC.28-T25S-R19E SEC.36-T25S-R19E
GRAND COUNTY, UTAH GRAND COUNTY, UTAH

Dear Mr. Manchester:

Enclosed please find four copies each of the revised rig layout and cut & fill data for the above referenced locations to replace the data submitted with the APD.

If you have any questions, or require any additional information do not hesitate to contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

CONFIDENTIAL

A handwritten signature in cursive script that reads "Aline A. Reese".

Aline A. Reese
Regulatory Clerk

AAR
Encl.

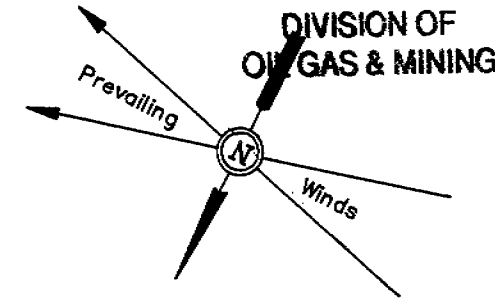
cc: State of Utah Natural Resources Oil, Gas & Mining
Mr. R. J. Firth

JUN 25 1991

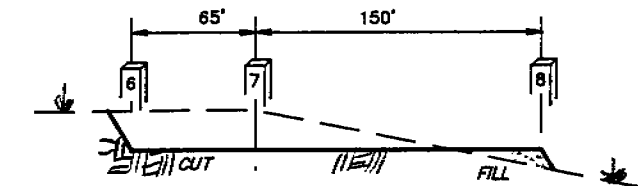
COLUMBIA GAS DEVELOPMENT CORP.

LOCATION LAYOUT FOR

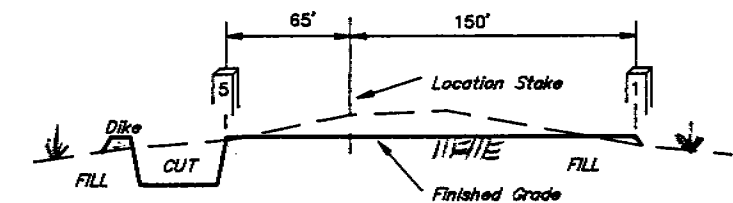
KANE SPRINGS FEDERAL #28-1
SECTION 28, T25S, R19E, S.L.B.&M.



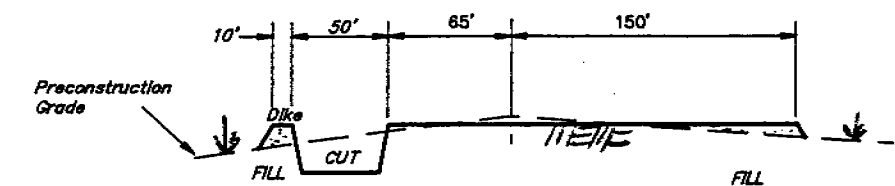
SCALE: 1" = 50'
DATE: 5-22-91
Drawn By: T.D.H.
REVISED: 6-15-91
REVISED: 6-19-91 R.E.H



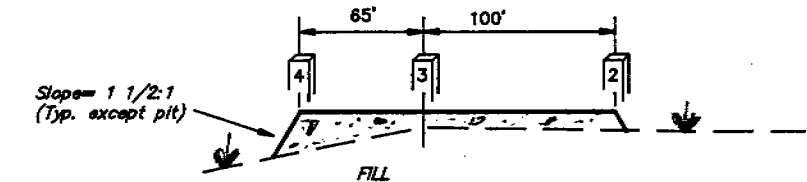
STA. 4+00



STA. 2+00



STA. 0+55



STA. 0+00

TYP.	CROSS	SECTION	LOCATION	LAYOUT
------	-------	---------	----------	--------

X-Section Scale
1" = 40'
1" = 100'

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,690 Cu. Yds.
Remaining Location	= 5,970 Cu. Yds.
TOTAL CUT	= 7,660 CU.YDS.
FILL	= 5,060 CU.YDS.

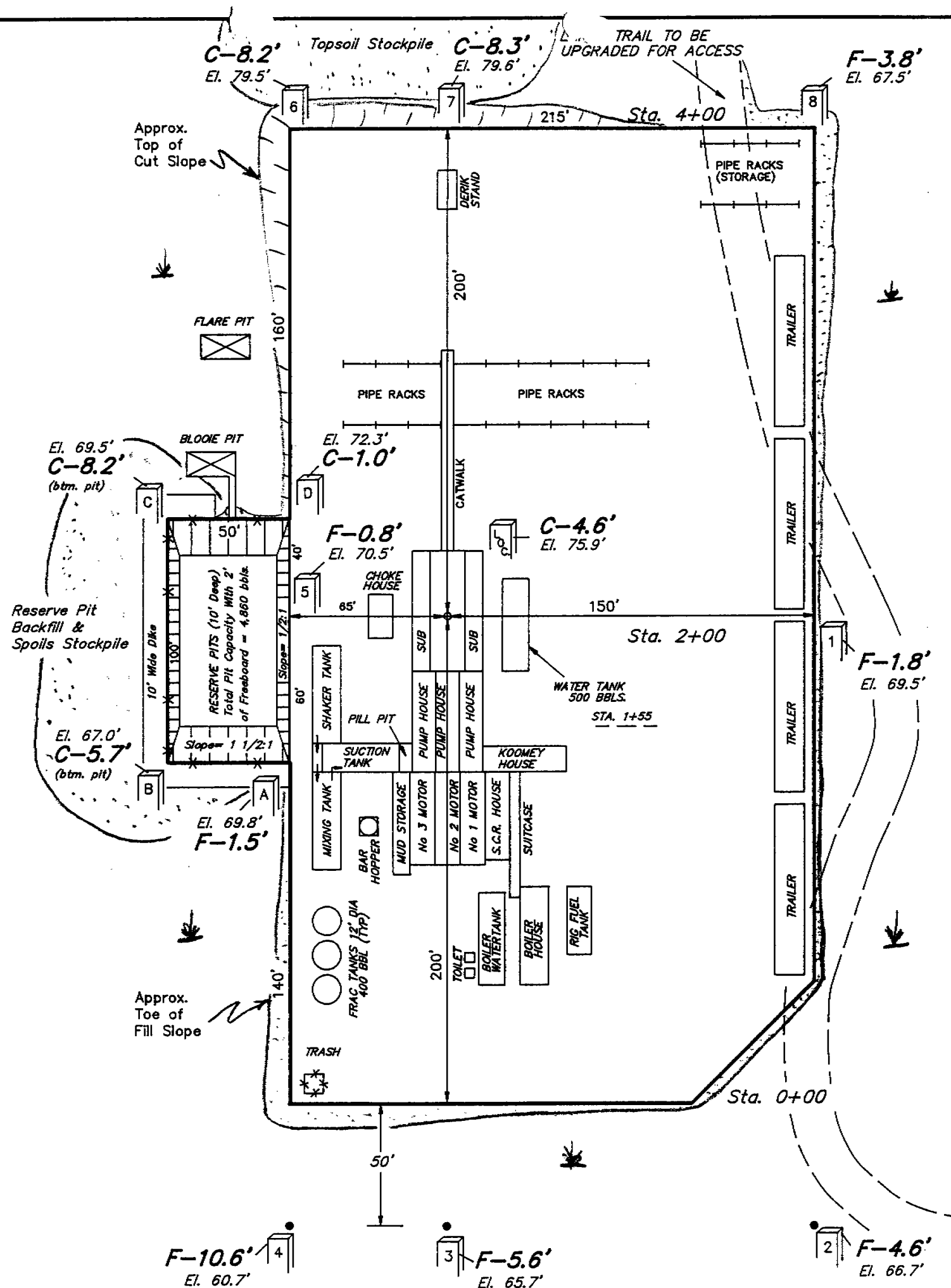
EXCESS MATERIAL AFTER 5% COMPACTION	= 2,330 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,320 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 10 Cu. Yds.

NOTES:

Elev. Ungraded Ground At Loc. Stake = **5575.9'**

FINISHED GRADE ELEV. AT LOC. STAKE = **5571.3'**

UINTAH ENGINEERING & LAND SURVEYING
85 South 200 East Vernal, Utah





State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE RESOURCES

Norman H. Bangarter
Governor

Dee C. Hansen
Executive Director

Timothy H. Provan
Division Director

1596 West North Temple
Salt Lake City, Utah 84116-3195
801-538-4700
801-538-4709 Fax

July 9, 1991

*Aug 04 6 file
cc R. F. H.*

RECEIVED

JUL 11 1991

**DIVISION OF
OIL GAS & MINING**

Dr. Dianne R. Nielson, Director
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

*Kane Springs Federal 28-1
Columbia Gas
Sec. 28, T25S, R19E*

Dear Dianne:

I am responding to a drilling permit request on federal lease U-50678. This item was listed as state action UT910604-060 in the Resource Development Coordinating Committee (RDCC) agenda items. The Division of Wildlife Resources has some specific concerns with this project and its potential impacts to wildlife and wildlife habitat.

Impacts will be associated with short and long-term activities generated by the company. Although the activities associated with just the wildcat well will most likely be for only 30 days, long-term impacts associated with increased access, increased road densities and petroleum products associated with these activities can result in long-term impacts. The species that could potentially be impacted include mule deer, bighorn sheep, reptilian species, waterfowl, passerine birds, and peregrine falcons.

The waste pits associated with the drilling operation create a hazard for birds. Waste pits appear as inviting water holes and the petroleum products they contain can be fatal. These pits should be covered by netting to prevent bird use. Causing the death of waterfowl or passerine birds would be a violation of the Migratory Bird Treaty Act. A peregrine falcon eyerie is located just off Dead Horse Point. These birds likely use the sagebrush flats to hunt. White-throated swift, mourning doves, western meadowlarks and other passerine birds are their primary prey. Impacts that would reduce prey populations will have an effect on the peregrines in this area. Another impact to bird populations occurs when eggs are contaminated by petroleum products. A small amount of petroleum on an egg will cause the death of an embryo.

Another point of concern is the source of water for these wells. If water is obtained by developing springs or depleting available surface water in the project vicinity, then this will impact the local wildlife species. If water is obtained from the Colorado River, the impacts to threatened and endangered Colorado River species must be considered.


Dr. Dianne R. Nielson, Director
July 9, 1991
Page 2

Increasing oil and gas development in southeast Utah continues to concern us. Wildlife impacts associated with these activities can be extremely damaging to many species. Of primary concern are the cumulative impacts these activities will have on wildlife habitat and wildlife directly. As this field is developed, cumulative impacts will become more acute. Bighorn sheep use these mesa tops as migratory routes during the fall. Wells located on the mesa tops, and their associated facilities, may create a disruption for the travel corridor. More information will be needed to evaluate the impact to bighorn sheep travel.

We appreciate the opportunity to provide comments. Your personnel should direct any response you have to our concerns to:

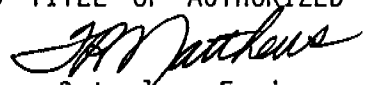
Ken Phippen, Habitat Manager
Southeastern Region
455 West Railroad Avenue
Price, UT 84501
Phone: 637-3310

Sincerely,


Timothy H. Provan
Director

STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

-
1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
-
3. APPROXIMATE DATE PROJECT WILL START:
July 11, 1991
-
4. AREAWIDE CLEARING HOUSE(s) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Southeastern Utah Association of Governments
-
5. TYPE OF ACTION: ☐ Lease ☒ Permit ☐ License ☐ Land Acquisition
☐ Land Sale ☐ Land Exchange ☐ Other _____
-
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill
-
7. DESCRIPTION:
Columbia Gas Development Corporation proposes to drill the Kane Springs Federal #28-1 well (wildcat) on federal lease U-50678, Grand County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S Bureau of Land Management is the primary administrative agency in this action and must issue approval before operations commence.
-
8. LAND AFFECTED (site location map required) (indicate county)
NW/4, SE/4, Section 28, Township 25 South, Range 19 East, Grand County, Utah
-
9. HAS THE LOCAL GOVERNMENT(s) BEEN CONTACTED?
-
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
See Attachment
-
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
-
12. FOR FURTHER INFORMATION, CONTACT: Frank R. Matthews
PHONE: 538-5340
13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL

DATE: 6-3-91 Petroleum Engineer



July 19, 1991

VIA AIRBORNE EXPRESS

RECEIVED

JUL 22 1991

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT OFFICE
82 E. DOGWOOD
MOAB, UTAH 84532

DIVISION OF
OIL GAS & MINING

Attention: Mr. Fred Oneyear

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

Dear Mr. Oneyear:

As per our conversation of today, please find enclosed Columbia's Sundry Notice, in triplicate, regarding a revision in the BOP equipment. This revision applies to all applications currently submitted for approval as long as the same rig is used.

If you have any questions, or require any additional information, please contact me at 713/871-3482 or call Bobby Pier at 801/259-7430.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

CONFIDENTIAL

Aline A. Reese
Regulatory Clerk

AAR
Encl.

cc: State of Utah Natural Resources Oil, Gas & Mining
Mr. R. J. Firth

BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Sfc. U50678 BHL-U4935	
2. NAME OF OPERATOR Columbia Gas Development Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR P. O. Box 1350 Hou., TX. 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Fed. Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1900 FSL & 1900 FEL of Sec.28-T25S-R19E		8. FARM OR LEASE NAME Kane Springs Federal	
14. PERMIT NO. NA		9. WELL NO. #28-1	
15. ELEVATIONS (Show whether DT, RT, GA, etc.) Ground 5576		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec.28-T25S-R19E	
		12. COUNTY OR PARISH Grand	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Revision to BOPE ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

CONFIDENTIAL

Notification of revision to BOPE was given to
Fred Oneyear on 7/18/91.

The BOP equipment used will be 13-5/8" 10M# which is an upgrade from the previous equipment of 13-5/8" 5M# indicated in the APD submitted.

Consequently the cross will not be used due to lack of sufficient height. Kill line & choke line will be nipped up to side outlets below blind rams and above lower pipe rams.

This revision will apply to all currently submitted Applications for Permit to Drill as long as the same rig is used.

RECEIVED

JUL 22 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct:

SIGNED

Aline A. Reese

TITLE Regulatory Clerk

DATE 7/19/91

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 8-22-91

BY: J. J. J. J.

*See Instructions on Reverse Side

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Sfc. U50678 BHL-U4935	
2. NAME OF OPERATOR Columbia Gas Development Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR P. O. Box 1350 Hou., TX. 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Fed. Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1900 FSL & 1900 FEL of Sec. 28-T25S-R19E		8. FARM OR LEASE NAME Kane Springs Federal	
9. DIVISION OF OIL GAS & MINING		9. WELL NO. #28-1	
10. FIELD AND POOL, OR WILDCAT Wildcat		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 28-T25S-R19E	
14. PERMIT NO. NA	15. ELEVATIONS (Show whether DF, RT, GR, etc.) Ground 5576	12. COUNTY OR PARISH Grand	13. STATE Utah

10. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
 FRACTURE TREAT ☐
 SHOOT OR ACIDIZE ☐
 REPAIR WELL ☐
 (Other) ☐

RELL OR ALTER CASING ☐
 MULTIPLE COMPLETION ☐
 ABANDON* ☐
 CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
 FRACTURE TREATMENT ☐
 SHOOTING OR ACIDIZING ☐
 (Other) ☐

REPAIRING WELL ☐
 ALTERING CASING ☐
 ABANDONMENT* ☐

(Other) Revision to BOPE
 (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

CONFIDENTIAL

Notification of revision to BOPE was given to
 Fred Oneyear on 7/18/91.

The BOP equipment used will be 13-5/8" 10M# which is
 an upgrade from the previous equipment of 13-5/8" 5M#
 indicated in the APD submitted.

Consequently the cross will not be used due to lack of
 sufficient height. Kill line & choke line will be
 nipples up to side outlets below blind rams and above
 lower pipe rams.

This revision will apply to all currently submitted
 Applications for Permit to Drill as long as the
 same rig is used.

APPROVED BY THE STATE
 DIVISION OF OIL, GAS, AND MINING
 DATE: 7-22-91
 BY: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED

Aline A. Reese

TITLE Regulatory Clerk

DATE 7/19/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



State of Utah

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

September 10, 1991

Columbia Gas Development Corporation
P. O. Box 1350
Houston, Texas 77251-1350

Gentlemen:

Re: Kane Springs Federal 28-1 Well, 1900 feet from the South line, 1900 feet from the East line, NW SE, Section 28, Township 25 South, Range 19 East, Grand County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Code Ann. Section 40-6-18, et seq. (1953, as amended), and Utah Admin. R.615-2-3, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.
2. Special attention is directed to compliance with Utah Admin. R.615-3-3I, which prescribes drilling procedures for designated potash areas.
3. The reserve pit should have flagging installed to prevent birds from entering the area.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.

Page 2
Columbia Gas Development Corporation
Kane Springs Federal 28-1
September 10, 1991

4. Prompt notification in the event it is necessary to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801) 538-5340, (Home) (801) 476-8613, or R. J. Firth, Associate Director, (Home) (801) 571-6068.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31325.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
J. L. Thompson
we14/1-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. SFC, USA-50678 BHL U48351	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR COLUMBIA GAS DEVELOPMENT CORPORATION 713/871-3400			7. UNIT AGREEMENT NAME KANE SPRINGS FEDERAL	
3. ADDRESS OF OPERATOR P. O. BOX 1350 HOUSTON, TX. 77251-1350			8. FARM OR LEASE NAME UNIT KANE SPRINGS FEDERAL	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1900 FSL & 1900 FEL At proposed prod. zone 2293 FSL & 2017 FEL BHL: 4700 FSL & 2700 FEL			9. WELL NO. #28-1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 15 AIRMILES WEST OF MOAB, UTAH			10. FIELD AND POOL, OR WILDCAT WILDCAT	
16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 1900'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 28-T25S-R19E	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5500'			12. COUNTY OR PARISH GRAND	
19. PROPOSED DEPTH 7367 TVD 10,070 MD			13. STATE UTAH	
20. ROTARY OR CABLE TOOL Rotary			17. NO. OF ACRES ASSIGNED TO THIS WELL 640	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GL=5576 RKB=5602			22. APPROX. DATE WORK WILL START July 11, 1991	
23. PROPOSED CASING AND CEMENTING PROGRAM				

RECEIVED

SEP 12 1991

DIVISION OF
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24. SIGNED R. J. Pier TITLE Superintendent Moab Area DATE 5/23/91
(This space for Federal or State office use)

PERMIT NO. /S/(WILLIAM C. STRINGER APPROVAL DATE SEP 6 1991
APPROVED BY Assistant District Manager TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A

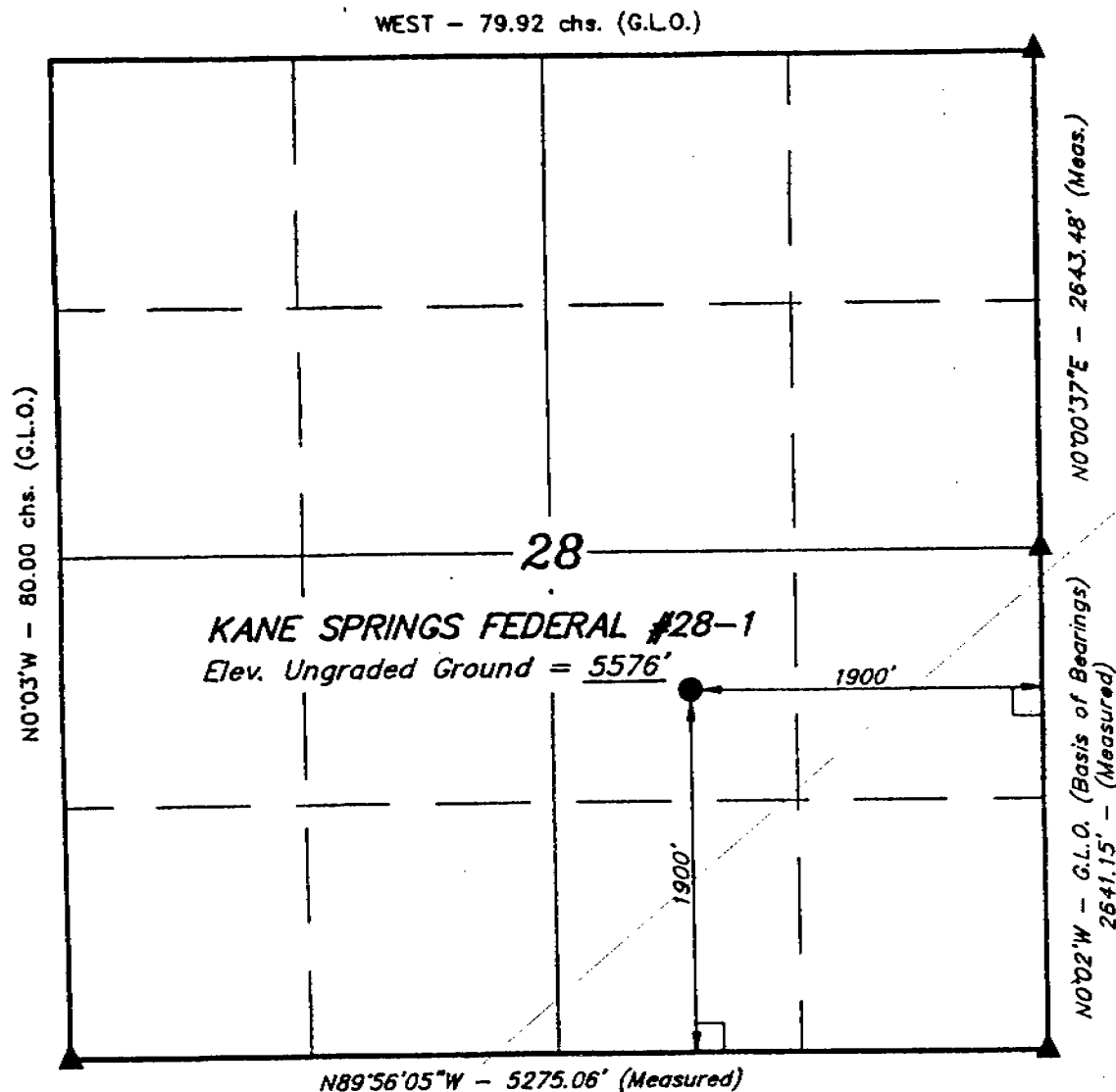
*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T25S, R19E, S.L.B.&M.

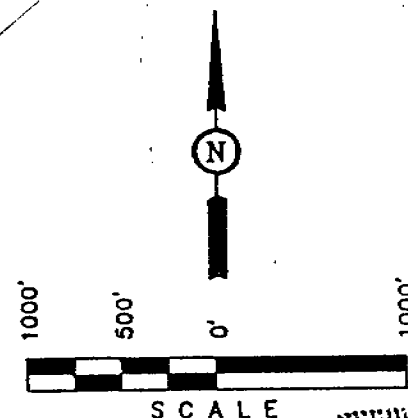
COLUMBIA GAS DEVELOPMENT CORP.

Well location, KANE SPRINGS FEDERAL #28-1, located as shown in the NW 1/4 SE 1/4 of Section 28, T25S, R19E, S.L.B.&M. Grand County, Utah.



BASIS OF ELEVATION

THE KNOLL TRIANGULATION STATION LOCATED IN SECTION 11, T26S, R19E, S.L.B.&M. TAKEN FROM THE KNOLL QUADRANGLE, UTAH, GRAND COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6316 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH

REVISED: 5-22-91 R.E.H.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE 5-17-91
PARTY J.T.K. B.D. T.D.H.	REFERENCES G.L.O. PLAT
WEATHER WARM	FILE COLUMBIA GAS DEV. CORP.

▲ = SECTION CORNERS LOCATED. (Brass Caps)

Columbia Gas Development Corp.
Kane Spring Fed. No. 28-1
NESE Sec. 28, T. 26 S., R. 19 E.
Grand County, Utah
Lease U-50678 (Surface Location)
U-48351 (Bottom Hole Location)

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Columbia Gas Development Corp., is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by C00356 (Principal - Columbia Gas Development Corp.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. A one-time, 90 day extension of this period may be granted. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

1. There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.

2. Daily drilling and completion progress reports shall be submitted to the District office on a weekly basis.

3. The BLM shall be kept apprised of all fluids entering or leaving the pit, through either weekly drilling reports or a final status report, submitted with the completion report. Either of which shall be submitted prior to reclamation of the pits.

4. No trivalent or hexavalent chromate additives shall be used in the mud system. Due to potential for contamination of usable quality water aquifers, chromates are banned from Federal leases.

5. A 2000 lb. 20 inch annular preventer and BOP system shall be installed, tested and in working condition prior to drilling through the surface casing shoe according to Onshore Order No. 2 specifications.

6. As stated under item No. 3 (BOP tests) ram preventers are to be tested to seventy percent (70%) of working pressure, or seventy percent (70%) of the burst rating of the intermediate pipe, whichever is lesser. To be in compliance with the minimum requirements of Onshore Order No. 2., ram preventers shall be tested to the approved stack working pressure if isolated by a test plug or to 70% of internal yield pressure of casing if the BOP stack is not isolated from the casing.

7. BOP systems shall be consistent with API RP 53 and Onshore Oil and Gas Order No. 2. Pressure tests of the surface casing and all BOP equipment potentially subject to pressure will be conducted before drilling the surface casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Ram preventers shall be inspected and operated each trip (no more than once a day is necessary), and annular preventers shall be inspected and operated weekly to ensure good mechanical working order. These inspections shall be recorded on the daily drilling report.

8. Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

9. When the completion program is determined, a sundry notice describing the completion shall be submitted to this office for approval.

10. Should the well become productive, the BLM, District Office must be notified no later than five business days after production begins. Notification shall be by letter or sundry notice, or orally to be followed by a letter or sundry notice.

11. Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 Mmcf following its completion, whichever comes first, without prior written approval of the Authorized Officer. Surface casing shall have centralizer on each of the bottom three joints.

12. Surface casing shall be set 50 feet into the Chinle Formation regardless of the depth the Chinle is encountered.

13. Intermediate casing shall be set 50 ft into the second clastic zone within the Paradox Formation regardless of the depth this zone is encountered.

14. Prior to the use of oil base mud, the operator shall disclose to the Moab District Office, BLM components used in the mud system.

15. To determine cement top and bond quality, a cement bond log (CBL) or cement evaluation tool (CET) shall be run after the 13 3/8" and the 9 5/8" casings are run and cemented in place.

16. As proposed, the horizontal portion of the well is to be drilled from a KOP at +-6917 ft MD in a direction of N 16.0 W. The bearing of the hole shall not deviate more than +-10 degrees without prior approval from the authorized officer.

CONDITIONS OF APPROVAL

EA Log No. UT-068-91-76 Lease or Serial NO. U-50678
Project Application for Permit to Drill Exploration Well Col. 28-1.
Applicant Columbia Gas Development Corp. Address Houston, Texas.
Project Location T25S, R19E (SLM), Sec. 28: NWSE, Grand County, Utah.
BLM Office Grand Resource Area Phone No. (801) 259-8193

CONSTRUCTION

1. The operator/contractor will contact the Grand Resource Area Office in Moab, Utah (801-259-8193) 48 hours prior to beginning work on public lands.
2. The dirt contractor will be furnished an approved copy of the surface use plan and BLM stipulations prior to starting any work.
3. Surface disturbance and vehicular travel will be limited to the approved location and access route. Any additional area needed will require BLM approval in advance of use.
4. Access (ingress and egress) will be controlled by appropriate signs as needed along the road.
5. The access road and well pad will be sprinkled with water as needed to control dust.
6. Neither construction material nor equipment will be stored on the access road or location without prior BLM approval.
7. The drill rig will be transported to the location during a period when vehicle traffic is light.
8. Prior to well pad construction, a temporary fence will be constructed along the eastern boundary of site 42GR2369 in order to prevent accidental vehicular traffic on this site.

9. The reserve pit may be lined. The decision to line the reserve pit will be made at the time the pit is excavated, and prior to use. The decision will be based on the following considerations:
 - (a) If the site of the pit is in solid bedrock, without visible fracturing, and with no near-surface freshwater aquifers below, the pit will not require lining.
 - (b) If, however, the pit cannot retain fluids as a result of fracturing, percolation, or the fact that the pit is partially excavated in unconsolidated materials, a liner will be required.

If a liner is needed, a bentonite liner can be used unless one (or more) of the following conditions exist:

- (a) The pit is partially located in gravel or unconsolidated alluvium which cannot be sealed.
- (b) Fracturing, which cannot be sealed with the bentonite, is evident.
- (c) Subsurface freshwater zones are near enough to the ground surface (less than 100 feet) that they may be contaminated with drilling fluids.
- (d) The pit is located near surface drainages, or adjacent cliffs where fracturing (or bedding-plane migration) could result in leakage.

If any of the above conditions exist, an artificial liner, of sufficient strength and thickness to prevent leakage or migration of pit fluids, will be required.

If a liner (bentonite or artificial) is used, construction techniques designed to insure, during the construction and installation, that the liner will not be breached by puncture and erosion, will be employed.

DRILLING

1. In order to guard against leakage problems, the condition of the reserve pit will be monitored by Columbia and by BLM.
2. A de-watering unit will be used, if available, and the reserve pit will be reduced in size.
3. In order to reduce fugitive dust, the operator/contractor will be required to periodically water down the access road and drill pad.
4. In order to help prevent raptors, other birds, and animals from entering into the reserve pit area and consuming any contained water, and also to minimize fouling of plumage by residual oil, the pit will be fenced, and flagging installed in order to ward off the raptors and other birds. The fencing will be kept in good repair by Columbia.

5. After the completion of drilling operations, the drill rig will be transported from the location during a period when vehicle traffic is light.
6. Shield lights will be present on the drill rig.

POST-DRILLING

1. Each disturbed area will be recontoured to approximate the natural contour, with stockpiled topsoil evenly distributed over these areas. Until recontouring is accomplished, the flagging over the reserve pit will remain in place in order to help deter birds from consuming any water which may be present. All disturbed areas will be scarified along the ground contour to a depth of 4 inches. Drill pads will not be smoothed out, but will be left with a roughened surface. A seed mixture specified by the BLM will then be drilled, at a time also to be specified by the BLM. Finally, disturbed areas will be fenced for 2 years in order to keep livestock and wildlife out and to allow for successful rehabilitation. Seeding will be determined to be successful when a suitable plant cover or density provides for site stabilization, and a vegetative trend has been established comparable to the surrounding area.

Within 30 days of completion of drilling operations, reserve pit contents will be treated by centrifuging to remove residual fluids. Testing will then be done on the remaining pit contents to analyze heavy metal content, salt concentration and properties, and hydrocarbon content. These test results will be provided to the BLM Area Office prior to pit closure.

If tests reveal that these values are within acceptable levels, the contents will be solidified and buried on-site. However, if levels are found to be above acceptable standards for heavy metals, salts, or hydrocarbons, the pit contents will be removed and hauled to an acceptable landfill.

2. The operator/contractor will contact the Grand Resource Area BLM office in Moab, Utah (801-259-8193) 48²⁴ hours prior to starting rehabilitation work that involves earthmoving equipment and completion of restoration measures.
3. If the well is completed as a producer, construction of pipeline facilities will be scheduled during low recreational use periods (i.e., November through February).
4. Following rehabilitation of the well pad, BLM will check the condition of site 42GR2369 against its pre-construction condition. Should the condition of the site prove to be altered during this period, the site will be excavated and the cost of this mitigation will be borne by Columbia.

B. SURFACE USE PLAN

1. The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

2. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.6.

3. A cultural resource clearance will be required before any construction begins. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five (5) working days, the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
- a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

11. Pipeline construction activity is not authorized under this permit.

12. Copies of all water analysis required by the State of Utah in relation to surface discharge of produced water will be submitted to the Moab District Office, Bureau of Land Management.

13. Produced waste water will be confined to an unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the Assistant District Manager's approval pursuant to Onshore Oil and Gas Order No. 7 (NTL-2B).

Plans will be formulated for long term monitoring of aquifers and springs in the area of proposed development prior to approval of further Applications for Permit to Drill.

14. If at any time the facilities located on public land authorized by the terms of the lease are no longer included in the lease (due to contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligation determined by the authorized officer (AO).3.

C. REQUIRED NOTIFICATIONS AND APPROVALS

Required verbal notifications are summarized in Table 1, attached.

Spud- Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District office within twenty-four (24) hours after spudding (regardless of whether spud was made with a dry hole digger or big rig). If the spudding occurs on a weekend or holiday, the written report will be submitted on the following work day.

Undesirable Events/Immediate Reports- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- Should the well be successfully completed for production, the Assistant District Manager, Minerals Division will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gas) will be submitted when requested by the Assistant District Manager.

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the BLM, Moab District Office prior to initiating plugging operations. Table 1 of this document provides the after-hours phone numbers of personnel who are authorized to give plugging instructions.



October 14, 1991

RECEIVED

OCT 17 1991

**DIVISION OF
OIL GAS & MINING**

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT OFFICE
82 S. DOGWOOD
MOAB, UTAH 84532

Attention: Mr. Dale Manchester

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH
API NO. 43-019-31325

Dear Mr. Manchester:

Columbia Gas Development Corporation respectfully submits the enclosed Sundry Notice in triplicate to incorporate a Vertical Seismic Profile (VSP) procedure to the Logging, Testing and Coring Programs section (No.6) of the approved Eight Point Drilling Program.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese
Regulatory Clerk

AAR
Encl.

cc: State of Utah Office of Natural Resources - Oil, Gas & Mining
Mr. R. J. Firth

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposed drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Columbia Gas Development Corporation		7. UNIT AGREEMENT NAME Kane Springs Federal Unit	
3. ADDRESS OF OPERATOR P. O. Box 1350 Hou., TX. 77251-1350		8. FARM OR LEASE NAME Kane Springs Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1900 FSL & 1900' FEL of Sec.28-T25S-R19E		9. WELL NO. #28-1	
14. PERMIT NO. 43-019-31325		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. ELEVATIONS (Show whether DT, RT, GK, etc.) Ground 5576 RKB:5602		11. SEC., T., R., M., OR BLK. AND SUBST. OR AREA Sec.28-T25S-R19E	
		12. COUNTY OR PARISH Grand	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON ☐CHANGE PLANE ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT ☐

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths, and zones pertinent to this work.)

CONFIDENTIAL

The following procedure will be added on to No. 6 (Testing, Logging & Coring Programs) of the approved Eight Point Drilling Program for the captioned well.

6. H) VERTICAL SEISMIC PROFILE (VSP): This procedure will entail the running of an additional downhole logging device at Kick-Off-Point. Additional equipment will consist of two (2) vibrator trucks which will be located at approx. 5000' in a northerly direction from the well pad on an existing road.

RECEIVED

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 10-18-91
BY: [Signature]
DIVISION OF
OIL GAS & MINING

OCT 17 1991

18. I hereby certify that the foregoing is true and correct:

SIGNED

Aline A. Reese

TITLE

Regulatory Clerk

DATE

10/14/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WATER PERMIT OK

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

API NO. 43-019-31325

SPODDING INFORMATION

NAME OF COMPANY: COLUMBIA GAS DEVELOPMENT

WELL NAME: KANE SPRINGS FEDERAL 28-1

SECTION NWSE 28 TOWNSHIP 25S RANGE 19E COUNTY GRAND

DRILLING CONTRACTOR GRACE DRILLING

RIG #

SPODDED: DATE 10-27-91

TIME 2:30 p.m.

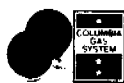
HOW ROTARY

DRILLING WILL COMMENCE

REPORTED BY BOBBY PIER

TELEPHONE # 259-6533

DATE 10-28-91 SIGNED TAS/FRM



October 29, 1991

CONFIDENTIAL

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT OFFICE
P. O. BOX 970
MOAB, UTAH

Attention: Mr. Dale Manchester

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL #19-1A ST
SEC. 19-T26S-R20E
GRAND CO., UTAH

KANE SPRINGS FEDERAL #28-1
SEC. 28-T25S-R19E
GRAND CO., UTAH

Dear Manchester:

Please find enclosed Columbia's Sundry Notices regarding the daily activity reports for the above referenced locations.

If you have any questions, or require any additional information please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script, appearing to read "Aline A. Reese".

Aline A. Reese
Regulatory Clerk

AAR
Enclosures

cc: State of Utah Ofc. of Natural Resources
Oil, Gas & Mining
Mr. R. J. Firth

RECEIVED

OCT 31 1991

DIVISION OF
OIL GAS & MINING

ENTITY ACTION FORM - DOGM FORM 6

OPERATOR Columbia Gas Development Corp.
ADDRESS P. O. Box 1350
Hou., TX. 77251-1350

OPERATOR CODE N5035
PHONE NO. 713, 871-3400

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELL OR WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
<u>AB</u>	<u>99999</u>	<u>11180</u>	<u>43-019-31325</u>	<u>Kane Springs Federal #28-1</u>	<u>NW/SE</u>	<u>28</u>	<u>25S</u>	<u>19E</u>	<u>Grand</u>	<u>10/27/91</u>	
COMMENTS: <u>Federal Lease</u> <u>Prop. Zone - PDSX</u> <u>Field - wildcat</u> <u>(Confirmed with operator that this is a unit well and should be assigned the same entity that was)</u> <u>Unit - Kane Springs</u> <u>previously assigned to the Kane Spring Fed. 27-1, entity 11180. JF</u>											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											

RECEIVED

OCT 31 1991

DIVISION OF
OIL GAS & MINING

A.A. Reese
SIGNATURE
Regulatory Clerk
TITLE
10/28/91
DATE

ACTION CODES: A - ESTABLISH NEW ENTITY FOR NEW WELL
B - ADD NEW WELL TO EXISTING ENTITY
C - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO ANOTHER EXISTING ENTITY
D - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO A NEW ENTITY
E - OTHER (EXPLAIN IN COMMENTS SECTION)
(SEE INSTRUCTIONS ON BACK OF FORM)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		SFC:50678 BHL:U-48351	
2. NAME OF OPERATOR Columbia Gas Development Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR P. O. Box 1350 Hou., TX. 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Federal Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1900' FSL & 1900' FEL of Sec.28-T25S-R19E		8. FARM OR LEASE NAME Kane Springs Federal	
14. PERMIT NO. 43-019-31325		9. WELL NO. #28-1	
15. ELEVATIONS (Show whether DT, RT, GA, etc.) Gr: 5576' RKB: 5602		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OF AREA Sec.28-T25S-R19E	
		12. COUNTY OR PARISH Grand	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Daily Drilling Report</u>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

See attached for Drilling Report.

RECEIVED

OCT 31 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct:

SIGNED

Aline A. ReeseTITLE Regulatory ClerkDATE 10/29/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

CONFIDENTIAL

DAILY ACTIVITY REPORT

10/23/91	START MIRU, BLM NOTIFIED OF RIG MOVEMENT.
10/24/91	RIGGING UP
10/25/91	RIGGING UP, NOTIFICATION OF INTENTION TO SPUD GIVEN TO BLM
10/26/91	FIN R/U.
10/27/91	SPUD WELL @ 14:30 HRS, DRL TO 176', BLM NOTIFIED OF SPUDDING.
10/28/91	DRL TO 294'.

COLUMBIA GAS
Development



CONFIDENTIAL

RECEIVED

November 4, 1991

NOV 06 1991

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT OFFICE
P. O. BOX 970
MOAB, UTAH 84532

DIVISION OF
OIL GAS & MINING

Attention: Mr. Dale Manchester

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL 19-1A ST
SEC.19-T268-R20E
GRAND COUNTY, UTAH

KANE SPRINGS FEDERAL 28-1
SEC.28-T258-R19E
GRAND COUNTY, UTAH

Dear Mr. Manchester:

Please find enclosed Columbia's Sundry Notices, in triplicate, regarding the daily activity reports at the above captioned locations.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese
Regulatory Clerk

AAR
Encl.

cc: State of Utah ofc. of Natural Resources - Oil , Gas & Mining
Mr. R. J. Firth

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sfc.:50678 BHL:48351

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR
Columbia Gas Development Corporation

3. ADDRESS OF OPERATOR
P. O. Box 1350 Hou., TX. 77251-1350 713/871-3400

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1900' FSL & 1900' FEL of Sec.28-T25S-R19E

14. PERMIT NO. 43-019-31325 15. ELEVATIONS (Show whether DF, RT, GA, etc.)
Gr: 5576 RKB: 5602

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME
Kane Springs Federal Unit

8. FARM OR LEASE NAME
Kane Springs Federal

9. WELL NO.
#28-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA
Sec.28-T25S-R19E

12. COUNTY OR PARISH 13. STATE
Grand Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PCCL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Daily activity report

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

** See attached for daily activity report.

RECEIVED

NOV 06 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Aline A. Reese

TITLE Regulatory Clerk

DATE 11/4/91

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

CONFIDENTIAL

10/29/91	DRL TO 365', LS @ 315 1/4 DEG.
10/30/91	DRL TO 389', POH TO BTM OF CSG @ 85', RIG REPAIR
10/31/91	DRL TO 450', BLOW HOLE CLEAN
11/1/91	DRL TO 550', BLOW HOLE CLEAN
11/2/91	DRL TO 637', POH, R/U AND RUN 20" CSG TO 636', LS @ 585' 1/2 DEG.
11/3/91	CMT 20" CSG W/980 SX CL-G NEAT @ 15.8 PPG, CMT'D 20" X 30" ANNULUS WITH 150 SX CL-G @ 15.8 PPG. PROCEDURE WITNESSED BY ELMER DUNCAN OF BLM-GRAND RESOURCE AREA OFFICE.

COLUMBIA GAS
Development



November 6, 1991

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT OFFICE
P. O. BOX 970
MOAB, UTAH 84532

Attention: Mr. William Stringer

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL #28-1
SEC. 28-T25S-R19E
GRAND COUNTY, UTAH

Dear Mr. Stringer:

Please find enclosed an original and two copies of Columbia Gas Development Corporation's Sundry Notice regarding the above referenced location.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script, appearing to read "Aline A. Reese".

Aline A. Reese
Regulatory Clerk

AAR
Enclosure

cc: State of Utah Ofc. of Natural Resources
Division of Oil, Gas & Mining - Mr. R. J. Firth

RECEIVED

NOV 08 1991

DIVISION OF
OIL GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Kane Springs Federal Unit

8. FARM OR LEASE NAME

Kane Springs Federal

9. WELL NO.

#28-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec.28-T25S-R19E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Columbia Gas Development Corporation 713/871-3400

3. ADDRESS OF OPERATOR

P. O. Box 1350 Hou., TX. 77251-1350

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1900' FSL & 1900' FSL of Sec.28-T25S-R19E

14. PERMIT NO.

43-019-31325

15. ELEVATIONS (Show whether DT, RT, GK, etc.)

Gr: 5576 RKB: 5602

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

RELL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANE

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Undesirable event(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Pursuant to NTL-3A and Mr. William Stringer's October 17th, 1991 correspondence to Robert J. Pier Columbia Gas Development Corp. reports the following occurrence:

1/2 a barrel of 17.0 ppg oil base mud was spilled at the above captioned location. The spill was contained onsite, completely recovered and placed in the reserve pit.

Verbal notification of occurrence was given to Ms. Ann Aubrey on 11/5/91.

RECEIVED

NOV 08 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct:

SIGNED

Aline A. Reese

TITLE

Regulatory Clerk

DATE

11/6/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

SUNDRY NOTICE AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Kane Springs Federal Unit

8. FARM OR LEASE NAME

Kane Springs Federal

9. WELL NO.

#28-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec.28-T25S-R19E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Columbia Gas Development Corporation 713/871-3400

3. ADDRESS OF OPERATOR

P. O. Box 1350 Hou., TX. 77251-1350

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1900' FSL & 1900' FSL of Sec.28-T25S-R19E

14. PERMIT NO.

43-019-31325

15. ELEVATIONS (Show whether DT, RT, GK, etc.)

Gr: 5576 RKB: 5602

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Undesirable event ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Pursuant to NTL-3A and Mr. William Stringer's October 17th, 1991 correspondence to Robert J. Pier Columbia Gas Development Corp. reports the following occurrence:

1/2 a barrel of 17.0 ppg oil base mud was spilled at the above captioned location. The spill was contained onsite, completely recovered and placed in the reserve pit.

Verbal notification of occurrence was given to Ms. Ann Aubrey on 11/5/91.

RECEIVED

NOV 08 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct:

SIGNED

Aline A. Reese

TITLE

Regulatory Clerk

DATE

11/6/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



November 11, 1991

CONFIDENTIAL

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT OFFICE
P. O. BOX 970
MOAB, UTAH 84532

Attention: Mr. Dale Manchester

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FED. #19-1A ST
SEC.19-T26S-R20E
GRAND CO., UTAH

KANE SPRINGS FEDERAL #28-1
SEC. 28-T25S-R19E
GRAND CO., UTAH

Dear Mr. Manchester:

Please find enclosed an original and two copies of Columbia's Sundry Notices regarding the above referenced locations.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese
Regulatory Clerk

AAR
Enclosures

cc: State of Utah Ofc. of Natural Resources
Oil, Gas & Mining - Mr. R. J. Firth.

RECEIVED

NOV 14 1991

DIVISION OF
OIL GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Kane Springs Federal Unit

8. FARM OR LEASE NAME

Kane Springs Federal

9. WELL NO.

#28-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 28-T25S-R19E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Columbia Gas Development Corporation

713/871-3400

3. ADDRESS OF OPERATOR

P. O. Box 1350

Hou., TX. 77251-1350

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)

At surface

1900' FSL & 1900' FEL of Sec.28-T25S-R19E

14. PERMIT NO.

43-019-31325

16. ELEVATIONS (Show whether DT, RT, GA, etc.)

Ground 5576

RKB: 5602

10. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Daily activity report

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

* See attached for daily activity report.

RECEIVED

NOV 14 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct:

SIGNED

Aline A. Reese

TITLE

Regulatory Clerk

DATE

11/11/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

CONFIDENTIAL

11/4/91	FIN NU, GIH W/BHA, MW 16.0 PPG
11/5/91	DRL CMT & SHOE F:633-637', DRL TO 1080', TESTED CSG (TEST WITNESSED BY ELMER DUNCAN)
11/6/91	DRL TO 1586', LS @ 1064' 1/2 DEG.
11/7/91	DRL TO 2055', REPAIR BLOOEY LINE, LS @ 1560' 3/4 DEG.
11/8/91	DRL TO 2137', TFNBIT, WORK ON BLOOEY LINE, DRL TO 2385', LS @ 2059' 1 DEG.
11/9/91	DRL TO 2870', LS @ 2531' 1/4 DEG.
11/10/91	DRL TO 3225', LS @ 3027' 3/4 DEG.



November 11, 1991

CONFIDENTIAL

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT OFFICE
P. O. BOX 970
MOAB, UTAH 84532

Attention: Mr. Dale Manchester

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FED. #19-1A ST
SEC.19-T26S-R20E
GRAND CO., UTAH

KANE SPRINGS FEDERAL #28-1
SEC. 28-T25S-R19E
GRAND CO., UTAH

Dear Mr. Manchester:

Please find enclosed an original and two copies of Columbia's Sundry Notices regarding the above referenced locations.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese
Regulatory Clerk

AAR
Enclosures

cc: State of Utah Ofc. of Natural Resources
Oil, Gas & Mining - Mr. R. J. Firth.

RECEIVED

NOV 14 1991

DIVISION OF
OIL GAS & MINING

SUNDRY NOTICE AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Kane Springs Federal Unit

8. FARM OR LEASE NAME

Kane Springs Federal

9. WELL NO.

#19-1A ST

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 19- T26S-R20E

12. COUNTY OR PARISH 13. STATE

Grand

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
Columbia Gas Development Corporation 713/871-3400

3. ADDRESS OF OPERATOR
P. O. Box 1350 Hou., TX. 77251-1350

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
800' FSL & 1981' FEL of Sec.19-T26S-R20E

14. PERMIT NO.
43-109-31324 01

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
Gr: 5965

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PILL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Daily activity report(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

* See attached for daily activity report

RECEIVED

NOV 14 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct:

SIGNED

Aline A. Reese

TITLE

Regulatory Clerk

DATE

11/11/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #19-1A ST
SEC.19-T26S-R20E
GRAND COUNTY, UTAH

DAILY ACTIVIITY REPORT

CONFIDENTIAL

11/4/91 CIRC, CBU, INCREASE MW TO 15.4 PPG, RETEST
RBP TO 1000#, INCR. MW TO 17.0 PPG, CIRC.

11/5/91 CIRC, REL RBP, PULL UP, RETEST RBP, SWI.

11/6/91 INCR MW TO 17.2 PPG, RIH W/RBP & SET @ 7390',
TSTD SAME & REV CIRC, POH, SIFN.

11/7/91 RIH TO 7390', C&C.

11/8/91 RU LOGGERS, LOGGING, RIH & TSTD 2-7/8" TBG. SDFN.

11/9/91 RIH & SET PACKER @ 7380', POH TO RUN CBL. SWIFN.

11/10/91 CIRC, REL RBP, POH W/RBP, P/U PKR & PREPARE TO RIH
W/SAME.

COLUMBIA GAS
Development



November 13, 1991

VIA AIRBORNE EXPRESS

RECEIVED

NOV 18 1991

DIVISION OF
OIL GAS & MINING

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT OFFICE
82 E. DOGWOOD
MOAB, UTAH 84532

Attention: Mr. William Stringer

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

Dear Mr. Stringer:

Please find enclosed an original and two copies of Columbia's
Sundry Notice regarding the above referenced locations.

If you have any questions, or require any additional information,
please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese
Regulatory Clerk

AAR

✓ cc: State of Utah Ofc. of Natural Resources
Oil, Gas & Mining - Mr. R. J. Firth

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposing (drill) or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Columbia Gas Development Corporation 713/871-3400		7. UNIT AGREEMENT NAME Kane Springs Federal Unit	
3. ADDRESS OF OPERATOR P. O. Box 1350 Hou., TX. 77251-1350		8. FARM OR LEASE NAME Kane Springs Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1900' FSL & 1900' FEL of Sec.28-T25S-R19E		9. WELL NO. #28-1	
14. PERMIT NO. 43-019-31325		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. ELEVATIONS (Show whether DT, RT, GA, etc.) Gr: 5576 RKB: 5602		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Sec.28-T25S-R19E	
		12. COUNTY OR PARISH Grand	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

FILL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANE

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

NTL-4A Reporting

MAINTAINING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Pursuant to the reporting requirements of NTL-4A Columbia Gas Development Corp. reports the following occurrence:

On the morning of 11/9/91 less than ten (10) barrels of fresh water with soap were blown over the pit wall at the above captioned location. The greyish color of the fluid was due to residual formation.

The fluid was allowed to air dry and is currently being cleaned up.

Vernal notification of incident was made to Mr. Lynn Jackson of the BIM district ofc. on 11/9/91.

RECEIVED

NOV 18 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct:

SIGNED Alex A. ReeseTITLE Regulatory ClerkDATE 11/13/91

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

SUNDRY NOTICE AND REPORTS ON WELLS

(Do not use this form for proposed drilling or to expedite or bring back to a different permit. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Columbia Gas Development Corporation 713/871-3400		7. UNIT AGREEMENT NAME Kane Springs Federal Unit	
3. ADDRESS OF OPERATOR P. O. Box 1350 Hou., TX. 77251-1350		8. NAME OF LEASE NAME Kane Springs Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1900' FSL & 1900' FEL of Sec.28-T25S-R19E		9. WELL NO. #28-1	
10. FIELD AND POOL, OR WILDCAT Wildcat		11. SEC., T., R., M., OR ALK. AND SURVEY OR AREA Sec.28-T25S-R19E	
14. PERMIT NO. 43-019-31325	15. ELEVATIONS (Show whether DT, RT, GN, etc.) Gr: 5576 RKB: 5602	12. COUNTY OR PARISH Grand	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

FILL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

CONFIDENTIAL

INCIDENT REPORT OF:

FRACTURE TREATMENT

☐
☐
☐
☐

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

SHOOTING OR ACIDIZING

(Other)

NTL-4A Reporting

(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Pursuant to the reporting requirements of NTL-4A Columbia Gas Development Corp. reports the following occurrence:

On the morning of 11/9/91 less than ten (10) barrels of fresh water with soap were blown over the pit wall at the above captioned location. The greyish color of the fluid was due to residual formation.

The fluid was allowed to air dry and is currently being cleaned up.

Vernal notification of incident was made to Mr. Lynn Jackson of the BLM district ofc. on 11/9/91.

RECEIVED

NOV 18 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct:

SIGNED

Alvin A. Reese

A. Reese

TITLE

Regulatory Clerk

DATE

11/13/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Columbia Gas Development Corporation		7. UNIT AGREEMENT NAME Kane Springs Federal Unit	
3. ADDRESS OF OPERATOR P. O. Box 1350 Hou., TX. 77261-1350		8. FARM OR LEASE NAME Kane Springs Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with State requirements. See also space 17 below.) At surface 800' FSL & 1918' FEL of Sec. 19-T26S-R20E		9. WELL NO. #19-1A ST	
10. FIELD AND POOL, OR WILDCAT Wildcat		11. SEC., T., R., M., OR BLK. AND SURVEY OF AREA Sec. 19-T26S-R20E	
14. PERMIT NO. 43-019-31324	15. ELEVATIONS (Show whether DT, RT, CA, etc.) Gr: 5965	12. COUNTY OR PARISH Grand	13. STATE Utah

CONFIDENTIAL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

Activity Report

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

CONFIDENTIAL

See attached for daily activity report.

RECEIVED

NOV 21 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct:

SIGNED

Aline A. Reese

TITLE

Regulatory Clerk

DATE

11/18/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #19-1A ST
SEC.19-T26S-R20E
GRAND COUNTY, UTAH

DAILY ACTIVIITY REPORT

CONFIDENTIAL

11/11/91	RIH W/TBG. & SET IN PKR @ 3780', MU TREE & TEST, SDFN.
11/12/91	OPEN WELL, TEST LINES TO 5000#, WELL FLOWING.
11/13/91	FLOW TESTED WELL.
11/14/91	RIG DOWN & CLEAR LOCATION
11/15/91	HEAT & LOAD OUT OIL. FIRST OIL SALE.
11/16/91	FINAL REPORT - WAITING ON PRODUCTION EQUIPMENT.

SUNDY NOTICE AND REPORTS ON WELLS

(Do not use this form for proposals for oil or gas or for drilling back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Columbia Gas Development Corporation 713/871-3400		7. UNIT AGREEMENT NAME Kane Springs Federal Unit	
3. ADDRESS OF OPERATOR P. O. Box 1350 Hou., TX. 77251-1350		8. FARM OR LEASE NAME Kane Springs Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) AT SURFACE 1900' FSL & 1900' FEL of Sec.28-T25S-R19E		9. WELL NO. #28-1	
CONFIDENTIAL		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC. T. R. M. OR BLM. AND SURVEY OR AREA Sec.28-T25S-R19E	
14. PERMIT NO. 43-019-31325	15. ELEVATIONS (Show whether DT, RT, OR, etc.) Gr: 5576 RKB: 5602	12. COUNTY OR PARISH Grand	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Activity Report

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See attached for activity report

CONFIDENTIAL

RECEIVED

NOV 21 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct:

SIGNED

Aline A. Reese

TITLE Regulatory Clerk

DATE 11/18/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

CONFIDENTIAL

11/11/91	DRL TO 3600', LS @ 3521' 1 DEG.
11/12/91	DRL TO 3621', ST 20 STDS., DRL TO 3950'.
11/13/91	DRL TO 4350', SURVEYS @ 4020' 2 DEG. & 4168' 2 DEG.
11/14/91	DRL TO 4395', POH & PREPARE TO RUN CSG., RIH W/13-3/8" CSG TO 4395', R/D CSG CREWS, GIH, SURVEY @ 4333' 3 DEG.
11/15/91	CMT 13-3/8" W/170 SX LITE @ 12.5 PPG & 365 SX CL"G" NEAT @ 15.8 PPG., TST CSG., NU BOP'S.
11/16/91	FIN NU & TST BOP'S, DRL FC & SHOE.
11/17/91	TST SHOE @ 16.9 EMW TO 1720#, CCM DRL TO 4450'.

COLUMBIA GAS
Development



November 18, 1991

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT OFFICE
P. O. BOX 970
MOAB, UTAH 84532

Attention: Mr. Dale Manchester

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL #19-1A ST
SEC. 19-T26S-R20E
GRAND CO., UTAH

KANE SPRINGS FEDERAL #28-1
SEC. 28-T25S-R19E
GRAND CO., UTAH

Dear Mr. Manchester:

Please find enclosed Columbia's Sundry Notices regarding the daily activity reports at the above referenced locations.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script that reads "Aline A. Reese".

Aline A. Reese
Regulatory Clerk

AAR
Enclosures

cc: State of Utah Ofc. of Natural Resources
Oil, Gas & Mining - Mr. R. J. Firth

RECEIVED

NOV 21 1991

DIVISION OF
OIL GAS & MINING



December 3, 1991

VIA AIRBORNE EXPRESS

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

REFERENCE: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS #28-1
SEC. 28-T25S-R19E
GRAND COUNTY, UTAH

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions, or require additional information, please contact me at 713/871-3400.

Very Truly Yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script, appearing to read "Trisha M. DiClementi".

Trisha M. DiClementi
Regulatory Coordinator

TMD
Enclosure

RECEIVED

DEC 04 1991

DIVISION OF
OIL GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposal to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Columbia Gas Development Corporation 713/871-3400		7. UNIT AGREEMENT NAME Kane Springs Federal Unit	
3. ADDRESS OF OPERATOR P. O. Box 1350, Houston, TX 77251-1350		8. FARM OR LEASE NAME Kane Springs Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1900' FSL & 1900' FEL of Sec.28-T25S-R19E		9. WELL NO. #28-1	
10. FIELD AND POOL, OR WILDCAT Wildcat		11. SEC., T., R., M., OR BLK. AND SURVEY OF AREA Sec.28-T25S-R19E	
14. PERMIT NO. 43-019-31325	15. ELEVATIONS (Show whether DT, RT, GR, ETC.) Gr: 5576 RKB: 5602	12. COUNTY OR PARISH Grand	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREATMENT

REPAIRING WELL

☐
☐
☐
☐

SHOOTING OR ACIDIZING

ALTERING CASING

(Other)

Activity Report

ABANDONMENT*

(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED FOR ACTIVITY REPORT

CONFIDENTIAL

RECEIVED

DEC 04 1991

DIVISION OF
OIL & GAS

18. I hereby certify that the foregoing is true and correct.

SIGNED

Trisha M. DiClementi

TITLE

Regulatory Coordinator

DATE

12/3/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC. 28-T258-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

11/18/91 DRL TO 4585'.
11/19/91 DRL TO 4974'. SURVEY AT 4900' 2-3/4 DEG. DRL TO 5005'.
11/20/91 DRL TO 5119'. LOST PRESSURE. POOH & LEFT FISH IN HOLE.
11/21/91 POOH W/FISH. DRL TO 5242'.
11/22/91 DRL TO 5360'.
11/23/91 DRL TO 5476'. SURVEY AT 5400' 3-1/2 DEG. DRL TO 5735'.
11/24/91 DRL TO 5916'. CIRC OUT. SURVEY 5854' 4 DEG. DRL TO 6050'.
11/25/91 DRL TO 6075'. CIRC.
11/26/91 DRL TO 6392'. SURVEY AT 6317' 6-1/4 DEG. DRL TO 6535'.
11/27/91 DRL TO 6872'. SURVEY AT 6872' 8 DEG. S13W. DRL TO 7085'.
11/28/91 DRL TO 7235'. CIRC & COND HOLE. RUN SURVEY SHOTS. LOG WELL.
11/29/91 LOGGED WELL.
11/30/91 RUN SURVEY.
12/01/91 FINISH LOGGING. CCM.
12/02/91 MIX & PUMP 705 SX CL G. SET CMT PLUG F/7253'-6450'. POOH. CIRC.

RECEIVED

DEC 04 1991

DIVISION OF
OIL GAS & MINING

COLUMBIA GAS
Development



December 3, 1991

VIA AIRBORNE EXPRESS

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT OFFICE
P. O. BOX 970
MOAB, UTAH 84532

Attention: Mr. Eric Jones

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

RECEIVED

DEC 06 1991

DIVISION OF
OIL GAS & MINING

Dear Mr. Jones:

Pursuant to our conversation of 12/2/91, please find enclosed an original and two copies of Columbia's Sundry Notice regarding the above referenced location.

If you have any questions, or require any additional information, please contact me at 713/871-3482.

Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

Aline A. Reese
Regulatory Clerk

AAR
Enclosure

cc: State of Utah Ofc. of Natural Resources
Division of Oil, Gas & Mining - Mr. R. J. Firth

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Kane Springs Federal Unit

8. FARM OR LEASE NAME

Kane Springs Federal

9. WELL NO.

#28-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 28-T25S-R19E

12. COUNTY OR PARISH 13. STATE

Grand

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Columbia Gas Development Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1350 Hou., TX. 77251-1350

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

1900' FSL & 1900' FEL of Sec. 28-T25S-R19E

14. PERMIT NO.

43-019-31325

15. ELEVATIONS (Show whether DT, RT, GA, etc.)

Ground 5576 RKB 5602

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Well Status report.

(Note: Report results of multiple completion or Well Completion or Recompletion Report; add Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

A 12-1/4" Pilot hole was drilled to 7253' (Top of Cane Creek @ 7253')

Ran DIL/GR Sonic/Dipmeter & VSP's

Set 800' cmt plug from 7250'-6450'

Clean out cement to KOP @ 6770'

Will Kick off @ 6770' to proposed BHL.

CONFIDENTIAL

RECEIVED

DEC 06 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct:

SIGNED

Aline A. Reese

TITLE

Regulatory Clerk

DATE

12/3/91

(This space for Federal or State use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Columbia Gas Development Corporation		7. UNIT AGREEMENT NAME Kane Springs Federal Unit	
3. ADDRESS OF OPERATOR P. O. Box 1350 Hou., TX. 77251-1350 713/871-3400		8. FARM OR LEASE NAME Kane Springs Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1900' FSL & 1900' FEL of Sec.28-T25S-R19E		9. WELL NO. #28-1	
10. FIELD AND POOL, OR WILDCAT Wildcat		11. SEC., T., R., OR BLK. AND SUBSET OF AREA Sec.28-T25S-R19E	
14. PERMIT NO. 43-019-31325	15. ELEVATIONS (Show whether DT, RT, CA, etc.) Gr: 5576 RKB: 5602	12. COUNTY OR PARISH Grand	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

Daily activity report

(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

CONFIDENTIAL

** See attached for daily activity report.

RECEIVED

DEC 13 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct.

SIGNED

Aline A. Reese

TITLE

Regulatory Clerk

DATE

12/10/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC. 28-T258-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

CONFIDENTIAL

12/3/91 POH, TEST BOPE, TIH, CIRC, DRL CMT F:6495' TO
6760', MW 15.2+

12/4/91 DRL CMT TO 6775', KOP @ 6775', CIRC, TFBHA, ORIENT
DRL TO 6778', MW 15.3

12/5/91 DRL TO 6868', MW 15.2

12/6/91 ORIENT DRL TO 7008', LS @ 6935' 17.6 DEG. ^{N. 58.5 W}

12/7/91 DRL TO 7013, TFN/BIT, FIH TO 6762', DRL TO 7033',
MW 15.3

12/8/91 DRL TO 7175', MW 15.3,
LS @ 7125' 35.4 DEG. ^{N. 19.3 W}

RECEIVED

DEC. 13 1991

DIVISION OF
OIL GAS & MINING

COLUMBIA GAS
Development



RECEIVED

DEC 19 1991

DIVISION OF
OIL GAS & MINING

December 17, 1991

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Reference: COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS #28-1
SEC. 28-T25S-R19E
GRAND COUNTY, UTAH

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very Truly Yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script, reading "Wendy G. DesOrmeaux".

Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. SFC:50678 BHL:U-48351	
2. NAME OF OPERATOR Columbia Gas Development Corporation 713/871-3400		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR P. O. Box 1350, Houston, Texas 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Federal Un	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1900' FSL & 1900' FEL of Sec.28-T25S-R19E		8. FARM OR LEASE NAME Kane Springs Federal	
14. PERMIT NO. 43-019-31325		9. WELL NO. #28-1	
15. ELEVATIONS (Show whether OF, ST, GR, etc.) Gr: 5576 RKB: 5602		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR S.E. AND SUBST OR AREA Sec.28-T25S-R19E	
		12. COUNTY OR PARISH Grand	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Activity Report ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached for activity report.

CONFIDENTIAL

RECEIVED

DEC 19 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Wendy J. Desormeaux
Wendy J. DesormeauxTITLE Regulatory CoordinatorDATE 12/17/91

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

12/9/91 Drilled to 7247'. Trip for new MWD tool.
Last survey: 7187' - 43.9° - N 19.1° W

12/10/91 Drilled to 7369'. Trip for new BHA.
Last survey: 7314' - 63.5° - N 13.9° W

12/11/91 Drilled to 7499'. Mud weight 15.1 ppg.
Last survey: 7411' - 71.2° - N 13.5° W

12/12/91 Drilled to 7687'. CBU. ST 10 stds.
Last survey: 7599' - 70.6° - N 13.5° W

12/13/91 Rig repair. Ream @ 7116'. Logging.

12/14/91 Ream 7116-7687'. Increase mud wt. to 15.5.
10 std short trip. RU. Prepare to run 9-5/8" csg.

12/15/91 Set 9-5/8" @ 7687'. Cmt w/1210 sks Class G mixed
at 16.2 ppg. Test BOP's.

Approx. 117 bbls oil base mud spilled and contained
on drill pad inside firewall. Area affected:
cellar. Spill pumped to reserve pit. Procedure
witnessed by Fred Oneyear.

12/16/91 Drilled to 7697'. Test BOPE. Test csg to 500#.
Drill cmt & shoe from 7610-7685'. Prepare to core.

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

12/9/91 Drilled to 7247'. Trip for new MWD tool.
Last survey: 7187' - 43.9° - N 19.1° W

12/10/91 Drilled to 7369'. Trip for new BHA.
Last survey: 7314' - 63.5° - N 13.9° W

12/11/91 Drilled to 7499'. Mud weight 15.1 ppg.
Last survey: 7411' - 71.2° - N 13.5° W

12/12/91 Drilled to 7687'. CBU. ST 10 stds.
Last survey: 7599' - 70.6° - N 13.5° W

12/13/91 Rig repair. Ream @ 7116'. Logging.

12/14/91 Ream 7116-7687'. Increase mud wt. to 15.5.
10 std short trip. RU. Prepare to run 9-5/8" csg.

12/15/91 Set 9-5/8" @ 7687'. Cmt w/1210 sks Class G mixed
at 16.2 ppg. Test BOP's.

Approx. 117 bbls oil base mud spilled and contained
on drill pad inside firewall. Area affected:
cellar. Spill pumped to reserve pit. Procedure
witnessed by Fred Oneyear.

12/16/91 Drilled to 7697'. Test BOPE. Test csg to 500#.
Drill cmt & shoe from 7610-7685'. Prepare to core.

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

12/9/91 Drilled to 7247'. Trip for new MWD tool.
Last survey: 7187' - 43.9° - N 19.1° W

12/10/91 Drilled to 7369'. Trip for new BHA.
Last survey: 7314' - 63.5° - N 13.9° W

12/11/91 Drilled to 7499'. Mud weight 15.1 ppg.
Last survey: 7411' - 71.2° - N 13.5° W

12/12/91 Drilled to 7687'. CBU. ST 10 stds.
Last survey: 7599' - 70.6° - N 13.5° W

12/13/91 Rig repair. Ream @ 7116'. Logging.

12/14/91 Ream 7116-7687'. Increase mud wt. to 15.5.
10 std short trip. RU. Prepare to run 9-5/8" csg.

12/15/91 Set 9-5/8" @ 7687'. Cmt w/1210 sks Class G mixed
at 16.2 ppg. Test BOP's.

Approx. 117 bbls oil base mud spilled and contained
on drill pad inside firewall. Area affected:
cellar. Spill pumped to reserve pit. Procedure
witnessed by Fred Oneyear.

12/16/91 Drilled to 7697'. Test BOPE. Test csg to 500#.
Drill cmt & shoe from 7610-7685'. Prepare to core.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Kane Springs Federal Uni

8. FARM OR LEASE NAME

Kane Springs Federal

9. WELL NO.

#28-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., OR BLK. AND
SURVEY OR AREA

Sec. 28-T25S-R19E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

14. PERMIT NO.

43-019-31325

15. ELEVATIONS (Show whether BT, RT, CH, etc.)

Gr: 5576

RKB: 5602

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Weekly activity report

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)

See attached for activity report.

RECEIVED

DEC 27 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct:

SIGNED

Allen C. Reese Reese

TITLE

Regulatory Clerk

DATE

12/23/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

CONFIDENTIAL

12/17/91	FOH, TIH, WASH & REAM F:7550'-7967', MW 15.6.
12/18/91	REAM & SLIDE F:7675'-7765', MW 15.6.
12/19/91	SLIDE TO 7788', TFN/MM, LS @ 7737' 72.2 DEG. N-13.2-W
12/20/91	SLIDE & DRL TO 7842', LS @ 7787' 79.4 DEG. N-13.5-W
12/21/91	SLIDE & DRL TO 7961', LS @ 7881' 79.1 DEG. N-13.5-W
12/22/91	SLIDE & DRL TO 8027', TFN/BHA, SLIDE TO 8030' LS @ 7974' 79.6 DEG. N-12.8-W

RECEIVED

JAN 03 1992

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
3 TRIAD CENTER, SUITE 350
SALT LAKE CITY, UT 84180-1203

DIVISION OF
OIL GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

43-019-31325

Well Name & Number Kane Springs #28-1

Operator Columbia Gas Development Address P.O. Box 1350, Houston, TX 77251

Contractor Grace Drilling Company Address P.O. Box 51716, Lafayette, LA 70505

Location NW 1/4 SE 1/4 Sec. 28 T. 25S R. 19E County Grand

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	450	- 457	TSTM	
2.	2137	- 2385	60-80 Bbls/Hour	Salty
3.				
4.				
5.				

(Continue on reverse side if necessary)

Formation TopsRemarks

- NOTE: (a) Report on this form as provided for in Rule 806, Oil and Gas Conservation General Rules.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SFC:50678 BHL:U-48351
2. NAME OF OPERATOR Columbia Gas Development Corporation 713/871-3400		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P. O. Box 1350, Houston, Texas 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Federal Ut.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1900' FSL & 1900' FEL of Sec.28-T25S-R19E		8. FARM OR LEASE NAME Kane Springs Federal
14. PERMIT NO. 43-019-31325		9. WELL NO. #28-1
15. ELEVATIONS (Show whether OF, RT, OR, etc.) Gr: 5576 RKB: 5602		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec.28-T25S-R19E
		12. COUNTY OR PARISH 13. STATE Grand Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON ☐CHANGE PLANS ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT ☐

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

1. Set openhole packer @8500'. Set cement plug from 8500-8685'.
2. Set production packer at 7350' & run production tubing.
3. Install tree and test well.
4. If test is unsuccessful, further sundry will be sent.

Verbal approval given by Fred Oneyear, 12/31/91, 2:30PM (CST)

RECEIVED

JAN 06 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Wendy G. Desormeaux
Wendy G. Desormeaux

TITLE Regulatory Coordinator

DATE

1/2/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SFC:50678 BHL:U-48351
2. NAME OF OPERATOR Columbia Gas Development Corporation 713/871-3400		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P. O. Box 1350, Houston, Texas 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Federal Ut.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1900' FSL & 1900' FEL of Sec.28-T25S-R19E		8. FARM OR LEASE NAME Kane Springs Federal
14. PERMIT NO. 43-019-31325		9. WELL NO. #28-1
15. ELEVATIONS (Show whether of. ft., or sl. etc.) Gr: 5576 RKB: 5602		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR S.E. AND SUBV. OR AREA Sec.28-T25S-R19E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recommendation Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

1. Set openhole packer @8500'. Set cement plug from 8500-8685'.
2. Set production packer at 7350' & run production tubing.
3. Install tree and test well.
4. If test is unsuccessful, further sundry will be sent.

Verbal approval given by Fred Oneyear, 12/31/91, 2:30PM (CST)

RECEIVED

JAN 06 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Wendy G. DesOrmeaux
Wendy G. DesOrmeaux

TITLE Regulatory Coordinator

DATE

1/2/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

COLUMBIA GAS

Development



RECEIVED

JAN 03 1992

**DIVISION OF
OIL GAS & MINING**

December 31, 1991

**Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532**

**State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203**

**Reference: Columbia Gas Development Corporation
Kane Springs #28-1
Sec.28-T25S-R19E
Grand County, Utah**

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script, reading 'Wendy G. DesOrmeaux'.

**Wendy G. DesOrmeaux
Regulatory Coordinator**

**WGD
Enclosure**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SFC:50678 BHL:U-48351	
2. NAME OF OPERATOR Columbia Gas Development Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR P. O. Box 1350, Houston, TX 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Federal Ut.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 800' FSL & 1918' FEL of Sec. 28 1900 1900		8. FARM OR LEASE NAME Kane Springs Federal	
14. PERMIT NO. 43-019-31325		9. WELL NO. #28-1	
15. ELEVATIONS (Show whether OF, RT, GR, etc.) Gr: 5576 RKB: 5602		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec.28-T25S-R19E	
		12. COUNTY OR PARISH Grand	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDISING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Weekly Activity Report</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached for activity report.

CONFIDENTIAL

RECEIVED

JAN 03 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Wendy G. DesOrmeaux TITLE Regulatory Coordinator DATE 12/31/91
Wendy G. DesOrmeaux

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1

SEC.28-T25S-R19E

GRAND COUNTY, UTAH

CONFIDENTIAL

DAILY ACTIVITY REPORT

12/23/91	Slide to 8116'. POOH for 3/4 deg mtr. LS 8064' 84.7 deg N-12.1-W
12/24/91	Ream & slide to 8142'. MW 16.4
12/25/91	Slide to 8145'. Drilled to 8218'. Cut MW to 16.2. LS 8159' 92.2 deg N-10.7-W
12/26/91	Slide to 8260'. LS 8187' 91.6 deg N-10.7-W
12/27/91	Slide & drill to 8292'. LS 8214' 90.7 deg N-11.1-W
12/28/91	Drilled to 8405'. LS 8345' 94.5 deg N-11.1-W
12/29/91	Drilled to 8570'. LS 8503' 95.2 deg N-11.4-W
12/30/91	Drilled to 8665'. LS 8623' 99.8 deg N-11.8-W

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

CONFIDENTIAL

12/23/91	Slide to 8116'. POOH for 3/4 deg mtr. LS 8064' 84.7 deg N-12.1-W
12/24/91	Ream & slide to 8142'. MW 16.4
12/25/91	Slide to 8145'. Drilled to 8218'. Cut MW to 16.2. LS 8159' 92.2 deg N-10.7-W
12/26/91	Slide to 8260'. LS 8187' 91.6 deg N-10.7-W
12/27/91	Slide & drill to 8292'. LS 8214' 90.7 deg N-11.1-W
12/28/91	Drilled to 8405'. LS 8345' 94.5 deg N-11.1-W
12/29/91	Drilled to 8570'. LS 8503' 95.2 deg N-11.4-W
12/30/91	Drilled to 8665'. LS 8623' 99.8 deg N-11.8-W



RECEIVED

JAN 09 1992

DIVISION OF
OIL GAS & MINING

January 6, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Reference: Columbia Gas Development Corporation
Kane Springs #28-1
Sec.28-T25S-R19E
Grand County, Utah

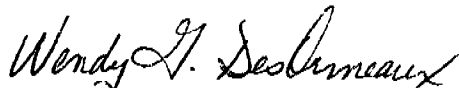
Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION



Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. SFC:50678 BHL:U-48351
2. NAME OF OPERATOR Columbia Gas Development Corporation 713/871-3400		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P. O. Box 1350, Houston, Texas 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Federal Ut.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1900' FSL & 1900' FEL of Sec.28-T25S-R19E		8. FARM OR LEASE NAME Kane Springs Federal
5. PERMIT NO. 43-019-31325		9. WELL NO. #28-1
14. ELEVATIONS (Show whether DT, RT, BL, etc.) Gr: 5576 RKB: 5602		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., OR BLK. AND SURVEY OR AREA Sec.28-T25S-R19E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Weekly Activity Report	

(NOTE: Report results of multiple completion or well completion or recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

CONFIDENTIAL

See attached for activity report.

RECEIVED

JAN 09 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Wendy G. Desormeaux
Wendy G. Desormeaux

TITLE Regulatory Coordinator

DATE 1/6/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY:

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

CONFIDENTIAL

12/31/91 Drlg to 8685'.
LS 8638' - 101.7° - N-11.8-W

1/1/92 GIH w/inflatable pkr. MW 16.3

1/2/92 Set 60' cmt plug w/21 sks ClG-Neat @ 15.8 ppg
on top of pkr @ 8480'. Circ. POOH. PBD 8420'.
MW 16.4

1/3/92 Set pkr. Logged well. Testing BOPE.
MW 16.3

1/4/92 Stung into pkr. RU to test.

1/5/92 Tested pkr, seal assy., KO plug, x-mas tree.
Displacing hole w/CaCl₂.

RECEIVED

JAN 09 1992

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPPLICATE
(Use instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SFC: 50678 BHL:U-48351
2. NAME OF OPERATOR Columbia Gas Development Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 1350, Houston, TX 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Federal Ut
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 800' FSL & 1918' FEL of Section 28		8. FARM OR LEASE NAME Kane Springs Federal
14. PERMIT NO. 43-019-31325		9. WELL NO. #28-1
15. ELEVATIONS (Show whether ST, RT, or VLA.) Gr: 5576 RKB: 5602		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Sec. 28-T25S-R19E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Plugback and Sidetrack <input checked="" type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recommendation Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Plugback @ \pm 800'-7570' (inside 9-5/8 csg set @ 7687')
+ 430' Cmt. Plug, Class "G" Neat
Kickoff @ 7870', 79 deg, 346 N-14-W
To original BHL @ \pm 10,070'MD

Verbal approval received from Dale Manchester, 1/9/92, 10:30am

RECEIVED

JAN 13 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Wendy A. DeOrmonay
Wendy A. DeOrmonay

TITLE Regulatory Coordinator

DATE 1/9/92

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE

(See instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SFC: 50678 BHL:U-4835	
2. NAME OF OPERATOR Columbia Gas Development Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR P.O. Box 1350, Houston, TX 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Federal Ut	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 800' FSL & 1918' FEL of Section 28		8. FARM OR LEASE NAME Kane Springs Federal	
14. PERMIT NO. 43-019-31325		9. WELL NO. #28-1	
15. ELEVATIONS (Show whether SF, RT, GA, etc.) Gr: 5576 RKB: 5602		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC. T., R. N., OR BLK. AND SURVEY OR AREA Sec. 28-T25S-R19E	
		12. COUNTY OR PARISH Grand	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Plugback and Sidetrack <input checked="" type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Plugback @ \pm 800'-7570' (inside 9-5/8 csg set @ 7687')
+ 430' Cmt. Plug, Class "G" Neat
Kickoff @ 7870', 79 deg, 346 N-14-W
To original BHL @ \pm 10,070'MD

Verbal approval received from Dale Manchester, 1/9/92, 10:30am

RECEIVED

JAN 13 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Wendy A. Desormeaux
Wendy A. Desormeaux

TITLE

Regulatory Coordinator

DATE

1/9/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY:



January 13, 1992

RECEIVED

JAN 16 1992

DIVISION OF
OIL GAS & MINING

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Reference: Columbia Gas Development Corporation
Kane Springs #28-1
Sec.28-T25S-R19E
Grand County, Utah

Gentlemen:

Please find enclosed the required Sundry Notice documenting the spill which occurred on 1/11/92.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script that reads "Wendy G. DesOrmeaux".

Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SFC: 50678 BHL: U-48351
2. NAME OF OPERATOR Columbia Gas Development Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P. O. Box 1350, Houston, TX		7. UNIT AGREEMENT NAME Kane Springs Federal Ut.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) AT SURFACE 800' FSL & 1918' FEL of Section 28		8. FARM OR LEASE NAME Kane Springs Federal
		9. WELL NO. #28-1
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC. T. R. M. OR BLM. AND SURVEY OR AREA Sec. 28-T25S-R19E
14. PERMIT NO. 43-D19-31325	15. ELEVATIONS (Show whether DT, ST, OR, etc.) Gr: 5576 RKB: 5602	12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Undesirable Event</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Date & Time of Occurrence: 1/11/92 - 2:30 PM
Reported to BLM: 1/11/92 - 2:30 PM (Lynn Jackson). Site inspected by
Mr. Jackson 1/12/92 - 10:00 AM

Damage: Approximately 70 Bbls freshwater (8000 ppm chlorides) leaked under fill of reserve pit covering a 155 sq. ft. area (55' below pit, 3' wide); outside of firewall

Action: Dike constructed behind pit and below leak to contain same. Using every available truck from Aable Trucking to pick up and haul to Cisco disposal.

RECEIVED

JAN 16 1992

CONFIDENTIAL

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Wendy G. Desormeaux
Wendy G. Desormeaux

TITLE

Regulatory Coordinator

DATE 1/13/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SFC: 50678 BHL: U-48351
2. NAME OF OPERATOR Columbia Gas Development Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P. O. Box 1350, Houston, TX		7. UNIT AGREEMENT NAME Kane Springs Federal Ut.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 800' FSL & 1918' FEL of Section 28		8. FARM OR LEASE NAME Kane Springs Federal
		9. WELL NO. #28-1
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLE, AND SURVEY OR ABRA Sec. 28-T25S-R19E
14. PERMIT NO. 43-Q19-31325	15. ELEVATIONS (Show whether of, ft., or, etc.) Gr: 5576 RKB: 5602	12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Undesirable Event</u> <input checked="" type="checkbox"/>	
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Date & Time of Occurrence: 1/11/92 - 2:30 PM
Reported to BLM: 1/11/92 - 2:30 PM (Lynn Jackson). Site inspected by
Mr. Jackson 1/12/92 - 10:00 AM

Damage: Approximately 70 Bbls freshwater (8000 ppm chlorides) leaked under fill of reserve pit covering a 155 sq. ft. area (55' below pit, 3' wide); outside of firewall

Action: Dike constructed behind pit and below leak to contain same. Using every available truck from Aable Trucking to pick up and haul to Cisco disposal.

RECEIVED

JAN 16 1992

CONFIDENTIAL

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Wendy G. Desormeaux

TITLE

Regulatory Coordinator

DATE 1/13/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



January 13, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

**Reference: Columbia Gas Development Corporation
Kane Springs #28-1
Sec.28-T25S-R19E
Grand County, Utah**

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux
Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosure

RECEIVED

JAN 16 1992

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
SFC: 50678 BHL:U-43851

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Kane Springs Federal Ut.

8. FARM OR LEASE NAME

Kane Springs Federal

9. WELL NO.

#28-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC. T. R. M. OR B.L. AND
SURVEY OR ABBA

Sec. 28-T25S-R19E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

14. PERMIT NO.

43-019-31325

15. ELEVATIONS (Show whether of, ft. or m.)

Gr: 5576 RKB: 5602

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

PULL OR ALTER CASING

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Weekly Activity Report

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well
(Completion or Recommendation Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED FOR ACTIVITY REPORT

RECEIVED

JAN 16 1992

DIVISION OF
OIL GAS & MINING

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED

Wendy G. Desormeaux
Wendy G. Desormeaux

TITLE Regulatory Coordinator

DATE 1/16/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY:

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC.28-T258-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

1/6/92 Finish displacing 16.3# mud w/11.6 CaCl₂.
Test annulus w/1000#. WO swabbing unit.

1/7/92 Swabbed well to 4800.

1/8/92 Swabbed well to 7350'. NU 13-5/8" BOP stack.
MW 16.3

1/9/92 Testing BOPE. Verbal notification to Dale Manchester
10:00 am 1/9/92 - on location @ 4:00 pm.

1/10/92 Finish testing BOPE. POOH w/pkr. Milling on Model
"D" pkr. MW 15.4

1/11/92 Reaming f/7906-8217'. POOH f/2-7/8" tbg stinger.

1/12/92 Cement w/207 sks "G" cmt, 15.8 ppg. WOC. MW 15.5

CONFIDENTIAL

RECEIVED

JAN 16 1992

DIVISION OF
OIL GAS & MINING

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC.28-T258-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

1/6/92 Finish displacing 16.3# mud w/11.6 CaCl₂.
Test annulus w/1000#. WO swabbing unit.

1/7/92 Swabbed well to 4800.

1/8/92 Swabbed well to 7350'. NU 13-5/8" BOP stack.
MW 16.3

1/9/92 Testing BOPE. Verbal notification to Dale Manchester
10:00 am 1/9/92 - on location @ 4:00 pm.

1/10/92 Finish testing BOPE. POOH w/pkr. Milling on Model
"D" pkr. MW 15.4

1/11/92 Reaming f/7906-8217'. POOH f/2-7/8" tbg stinger.

1/12/92 Cement w/207 sks "G" cmt, 15.8 ppg. WOC. MW 15.5

CONFIDENTIAL

RECEIVED

JAN 16 1992

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SFC: 50678 BHL:U-43851
2. NAME OF OPERATOR Columbia Gas Development Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P. O. Box 1350, Houston, TX 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Federal Ut.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 800' FSL & 1918' FEL of Section 28		8. FARM OR LEASE NAME Kane Springs Federal
14. PERMIT NO. 43-019-31325		9. WELL NO. #28-1
11. ELEVATIONS (Show whether SF, RT, GL, etc.) Gr: 5576 RKB: 5602		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 28-T25S-R19E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Weekly Activity Report</u> <input checked="" type="checkbox"/>	

(Other) _____

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED FOR ACTIVITY REPORT

CONFIDENTIAL

RECEIVED

JAN 16 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Wendy G. Desormeaux
wendy G. Desormeaux

TITLE Regulatory Coordinator

DATE 1/16/92

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL IF ANY:



RECEIVED

JAN 22 1992

DIVISION OF
OIL GAS & MINING

January 20, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Reference: Columbia Gas Development Corporation
Kane Springs #28-1
Sec.28-T25S-R19E
Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux
Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SFC:50678 BHL:U-48351
2. NAME OF OPERATOR Columbia Gas Development Corporation 713/871-3400		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 1350, Houston, TX 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Federal Uni-
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1900' FSL & 1900' FEL of Sec.28-T25S-R19E		8. WELL NO. #28-1
14. PERMIT NO. 43-019-31325		10. FIELD AND POOL, OR WILDCAT Wildcat
15. ELEVATIONS (Show whether ST. RT. OR VLA.) Gr: 5576 RKB: 5602		11. SEC. T., R., M., OR B.L. AND SUBST OR AREA Sec.28-T25S-R19E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Weekly Activity Report</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recommendation Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See attached for weekly activity report.

RECEIVED

JAN 22 1992

CONFIDENTIAL

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Wendy G. Desormeaux
Wendy G. Desormeaux

TITLE

Regulatory CoordinatorDATE 1/20/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

1/13/92	Drlg cement to 7707'. MW 15.3.
1/14/92	Drlg cement to 7940'. Fell out of cmt. TIH w/tbg & DP. Circ. MW 15.5.
1/15/92	Mixed & pumped 207 sks Class "G" cmt @ 16# ppg. Circ. WOC.
1/16/92	WOC. Circ & cond mud.
1/17/92	Ream out cmt 7049-7243'. Drill cmt & stringers 7243-8050'.
1/18/92	Mixed & pumped 250 sks Class "G" cmt @ 17.5# ppg.
1/19/92	Drlg cmt 7556-7805. MW 15.5.

CONFIDENTIAL

RECEIVED

JAN 22 1992

DIVISION OF
OIL GAS & MINING

REPORT OF SPILL
DIVISION OF OIL, GAS AND MINING
STATE OF UTAH

Reporting Company: COLUMBIA GAS DEVELOPMENT CORP.

Reported received by: Written Report X Telephone

Call Received by: Date: 1-16-92 Time:

Location: 1/4 1/4 Section 28 Township 25S Range 19E

County: GRAND Lease: Federal X State Indian Fee

Well No. KANE SPRINGS FEDERAL 28-1 API No. 43-019-31325

Tank Battery: Yes Battery Name:

Date of Discharge: 1-11-92 Time of Discharge: 2:30 PM

Type of Spill: Oil Bbls Produced Water: 70** Bbls Gas: MCFS

Amount Recovered: Oil Bbls Produced Water: Bbls

Time to control discharge: hrs after discovery

Discharge contained on lease: Yes X No

Other lands affected: BLM X Indian State Fee

Other agencies contacted: BLM X BIA EPA Health DNR

How discharge occurred: **70 BBLS OF FRESH WATER LEAKED UNDER FILL OF RESERVE PIT.

Method of cleanup: BUILT A PIT BEHIND THE RESERVE PIT AND PICKED UP FLUID WITH VACUUM TRUCKS AND HAULED TO CISCO DISPOSAL PIT. WATER WAS TESTED AT (8000 PPM CHLORIDES).

Action taken to prevent reoccurrence: UNKNOWN

Suspense to: WELL FILE Date: 1-22-92



RECEIVED

FEB 04 1992

DIVISION OF
OIL GAS & MINING

January 31, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

**Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T25S-R19E
Grand County, Utah**

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script that reads "Wendy G. DesOrmeaux".

Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SFC; 50678 BHL-U-43851
2. NAME OF OPERATOR Columbia Gas Development Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 1350, Houston, TX 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Federal Ut.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 800' FSL & 1918' FEL of Section 28 1900 1900		8. FARM OR LEASE NAME Kane Springs Federal
14. PERMIT NO. 43-019-31325		9. WELL NO. #28-1 ST
15. ELEVATIONS (Show whether ft., m., or fms.) Gr: 5576 RKB: 5602		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 28-T25S-R19E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Weekly Activity Report</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See attached for activity report.

RECEIVED

FEB 04 1992

DIVISION OF
OIL GAS & MINING

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED Wendy J. DesOrmeaux TITLE Regulatory Coordinator DATE 1/31/92

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1 ST
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

1/19/92	Drlg cmt 7556-7805'. MW 15.5.
1/20/92	Drlg cmt 7716-7840'. Ream 7700-7740'. Drlg 7740-7742'. LS 7840' - 79.9° - N-13.8-W
1/21/92	Drlg 7842-7885'. MW 15.5.
1/22/92	Drlg to 7894'. PU Teleco MWD. LS 7894' - 79.2° - N-13.4-W
1/23/92	Orient MWD. Drlg 7894-7910'.
1/24/92	Slide w/motor to 8003'. LS 7927' - 79.2° - N-15.3-W
1/25/92	Slide to 8075'. LS 8021' - 85.9° - N-17.4-W
1/26/92	Sliding 8075-8190'. LS 8115' - 98.7° - N-15.3-W
1/27/92	Slide drill 8190-8466'. MW 15.6. LS 8398' - 100.1° - N-11.8-W
1/28/92	Drill to 8765'. Circulate. LS 8682' - 94.5° - N-10-W
1/29/92	Drill to 8810'. LS 8763' - 94.1° - N-10-W
1/30/92	Slide drill 8810-8843'. Ream 60' to bottom. Slide 8843-8855'. LS 8795' - 100.3° - N-10.7-W

CONFIDENTIAL

RECEIVED

FEB 04 1992

DIVISION OF
OIL GAS & MINING

COLUMBIA GAS
Development



February 10, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

**Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T258-R19E
Grand County, Utah**

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux
Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosure

RECEIVED

FEB 12 1992

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
SFC:50678 BHL:U-48351

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Kane Springs Federal

8. FARM OR LEASE NAME

Kane Springs Federal

9. WELL NO.

#28-1 ST

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR B.L. AND
SURVEY OR AREA

Sec.18-T25S-R19E

14. PERMIT NO.
43-019-31325

15. ELEVATIONS (Show whether OF, TO, OR VIA.)

Gr: 5576 RKB: 5602

12. COUNTY OR PARISH

Grand

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

PULL OR ALTER CASING

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Weekly Activity Report

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED FOR WEEKLY ACTIVITY REPORT

CONFIDENTIAL

RECEIVED

FEB 12 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Wendy D. DesOrmeaux
wendy D. DesOrmeaux

TITLE Regulatory Coordinator

DATE 2/10/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1 ST
SEC.28-T258-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

1/31/92	Slide drill 8855-8975'. LS 8945' - 107.9° - N-9.3-W
2/1/92	Slide drill to 9012'. Circulate. POOH. TIH w/8-1/2 rock bit.
2/2/92	Circ. & condition hole. TIH w/liner.
2/3/92	TIH & set pkr @ 7278'. Sting into pkr. Test backside 1000# for 15 min. POOH w/stinger.
2/4/92	Set bridge plug. Lay down drill pipe. Clean stack to nipple down.
2/5/92	ND & set out BOP stack. Installed tree. Start rigging down.
2/6/92	Rigging down.
2/7/92	Clean rig.
2/8/92	Clean rig.
2/9/92	Preparing to move rig.

CONFIDENTIAL

RECEIVED

FEB 12 1992

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SFC:50678 BHL:U-48351	
2. NAME OF OPERATOR Columbia Gas Development Corporation 713/871-3400		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR P. O. Box 1350, Houston, TX 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1900' FSL & 1900' FEL of Sec.28-T25S-R19E		8. FARM OR LEASE NAME Kane Springs Federal	
11. ELEVATIONS (Show whether OF, RT, GL, etc.) Gr: 5576 RKB: 5602		9. WELL NO. #28-1 ST	
12. COUNTY OR PARISH Grand		10. FIELD AND POOL, OR WILDCAT Wildcat	
13. STATE Utah		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec.18-T25S-R19E	
14. PERMIT NO. 43-019-31325			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Weekly Activity Report</u> <input checked="" type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED FOR WEEKLY ACTIVITY REPORT

CONFIDENTIAL

RECEIVED

FEB 12 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Wendy G. DesOrmeaux TITLE Regulatory Coordinator DATE 2/10/92

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL IF ANY:

TITLE _____

DATE _____

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1 ST
SEC.28-T258-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

1/31/92	Slide drill 8855-8975'. LS 8945' - 107.9' - N-9.3-W
2/1/92	Slide drill to 9012'. Circulate. POOH. TIH w/8-1/2 rock bit.
2/2/92	Circ. & condition hole. TIH w/liner.
2/3/92	TIH & set pkr @ 7278'. Sting into pkr. Test backside 1000# for 15 min. POOH w/stinger.
2/4/92	Set bridge plug. Lay down drill pipe. Clean stack to nipple down.
2/5/92	ND & set out BOP stack. Installed tree. Start rigging down.
2/6/92	Rigging down.
2/7/92	Clean rig.
2/8/92	Clean rig.
2/9/92	Preparing to move rig.

CONFIDENTIAL

RECEIVED

FEB 12 1992

DIVISION OF
OIL GAS & MINING



RECEIVED

FEB 13 1992

DIVISION OF
OIL GAS & MINING

February 10, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T258-R19E
Grand County, Utah

Gentlemen:

Please find attached Columbia's Subsequent Notice of Sidetrack for the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script that reads "Wendy G. DesOrmeaux".

Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Attachment

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SFC:50678 BHL:U-48351
2. NAME OF OPERATOR Columbia Gas Development Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 1350, Houston, TX 77251-1350		7. UNIT AGREEMENT NAME Kane Springs Federal Ut.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1900' FSL & 1900' FEL of Sec.28-T25S-R19E		8. FARM OR LEASE NAME Kane Springs Federal
10. PERMIT NO. 43-019-31325		9. WELL NO. #28-1 ST
11. ELEVATIONS (Show whether OF, RT, OR, OR, OR.) Gr: 5576 RKB: 5602		10. FIELD AND POOL, OR WILDCAT Wildcat
12. COUNTY OR PARISH Grand		11. SEC. T., R., M., OR BLM. AND SURVEY OR AREA Sec.28-T25S-R19E
13. STATE Utah		

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREATMENT

REPAIRING WELL

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

Plugback & Sidetrack

X

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).*

Plugback depth 8000-7400'. (1/12/92)

Cmt. w/250 sks Class 'G' mixed @ 17.5 ppg w/18 bbl diesel spacer in front of cement.

Pumped total of 43 bbls of slurry.

Clean out cement plug to 7870' (KOP).

Picked up directional tools and sidetracked well.

Redrilled to 9012' @ BHL of N 1616, W 246 from surface location. (2/1/92)

RECEIVED

FEB 13 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Wendy G. DesOrmeaux
Wendy G. DesOrmeaux

TITLE Regulatory Coordinator

DATE 2/10/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



RECEIVED

FEB 24 1992

DIVISION OF
OIL GAS & MINING

February 19, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T25S-R19E
Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number
SFC: 50678 BHL:U-48351

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement

Kane Springs Federal Ut.

9. Well Name and Number

Kane Springs Fed. 28-1

10. API Well Number

43-019-31325

11. Field and Pool, or Wildcat

Wildcat

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other (specify)

2. Name of Operator

Columbia Gas Development Corporation

3. Address of Operator

P.O. Box 1350, Houston, TX 77251-1350

4. Telephone Number

713/871-3400

5. Location of Well

Footage : 800' FSL & 1918' FEL of Section 28

County : Grand

Q.Q. Sec. T., R., M. :

255, 19E

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input checked="" type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Approximate Date Work Will Start

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Weekly Activity Report | |

Date of Work Completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

2/10/92 - 2/18/92 Waiting for location to dry up to move in completion rig.

RECEIVED

FEB 24 1992

DIVISION OF
OIL GAS & MINING

CONFIDENTIAL

14. I hereby certify that the foregoing is true and correct

Wendy G. Desormeaux

Name & Signature

Wendy G. Desormeaux

Title Regulatory Coord. Date 2/19/92

(State Use Only)



RECEIVED

MAR 02 1992

DIVISION OF
OIL GAS & MINING

February 27, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T25S-R19E
Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script, reading "Wendy G. DesOrmeaux".

Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING6. Lease Designation and Serial Number
SFC:50678 BHL:U-48351

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement

Kane Springs Federal Ut.

9. Well Name and Number

Kanes Springs Fed. 28-1

10. API Well Number

43-019-31325

11. Field and Pool, or Wildcat

Wildcat

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other (specify)

2. Name of Operator

Columbia Gas Development Corporation

3. Address of Operator

P.O. Box 1350, Houston, TX 77251-1350

4. Telephone Number

713/871-3400

5. Location of Well

Footage : 800' FSL & 1918' FEL of Section 28

County : Grand

QQ, Sec, T., R., M. :

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Approximate Date Work Will Start

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Activity Report | |

Date of Work Completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED FOR ACTIVITY REPORT

RECEIVED

MAR 02 1992

DIVISION OF
OIL GAS & MINING

CONFIDENTIAL

14. I hereby certify that the foregoing is true and correct

Wendy G. DesOrmeaux

Name & Signature

(State Use Only)

Title Regulatory Coord. Date 2/27/92

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1 ST
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

2/21/92 RU Pool W/S Rig #533. Tested BOPE to 5,000 psi.
TIH w/Baker retrieving tool.

2/22/92 Finish TIH to 7110'. Circ. SI well.

2/23/92 POOH w/Baker RBP. Test tbg & tree to 5000 psi.
Bolted down tree.

2/24/92 Swabbed to 6000'. SDFN.

2/25/92 RIH w/swab. Tagged fluid. RD & release rig.

2/26/92 Moved out rig equipment. Well SI.

RECEIVED

MAR 02 1992

DIVISION OF
OIL GAS & MINING

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING6. Lease Designation and Serial Number
SFC:50678 BHL:U-48351

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement

Kane Springs Federal Ut.

9. Well Name and Number

Kane Springs Fed. 28-1

10. API Well Number

43-019-31325

11. Field and Pool, or Wildcat

Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT—for such proposals

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other (specify)

2. Name of Operator

Columbia Gas Development Corporation

3. Address of Operator

P.O. Box 1350, Houston, TX 77251-1350

4. Telephone Number

713/871-3400

5. Location of Well

Footage : 800' FSL & 1918' FEL of Section 28

County : Grand

QQ, Sec. T., R., M. :

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Approximate Date Work Will Start

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Activity Report | |

Date of Work Completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

3. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED FOR ACTIVITY REPORT

RECEIVED

MAR 02 1992

DIVISION OF
OIL, GAS & MINING

CONFIDENTIAL

4. I hereby certify that the foregoing is true and correct

Wendy G. DesOrmeaux

Name & Signature

Date (Use Only)

Title Regulatory Coord. Date 2/27/92

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1 ST
SEC.28-T258-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

2/21/92 RU Pool W/S Rig #533. Tested BOPE to 5,000 psi.
TIH w/Baker retrieving tool.

2/22/92 Finish TIH to 7110'. Circ. SI well.

2/23/92 POOH w/Baker RBP. Test tbg & tree to 5000 psi.
Bolted down tree.

2/24/92 Swabbed to 6000'. SDFN.

2/25/92 RIH w/swab. Tagged fluid. RD & release rig.

2/26/92 Moved out rig equipment. Well SI.

RECEIVED

MAR 02 1992

DIVISION OF
OIL GAS & MINING

CONFIDENTIAL

COLUMBIA GAS
Development



March 9, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

RECEIVED

MAR 11 1992

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

**DIVISION OF
OIL, GAS & MINING**

**Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T25S-R19E
Grand County, Utah**

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script, reading "Wendy G. DesOrmeaux".

Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED

MAR 11 1992

DIVISION OF
OIL, GAS & MINING

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

SFC:50678 BHL:U-48351

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Kane Springs Federal Ut

8. Well Name and No.

Kane Springs Fed. 28-1ST

9. API Well No.

43-019-51325

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Activity Report

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

2/27/92 - 3/9/92 - Observing Well.

CONFIDENTIAL

14. I hereby certify that the foregoing is true and correct

Wendy G. Desormeaux

Signed

Wendy G. Desormeaux

Title

Regulatory Coordinator

Date

3/9/92

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

SFC:50678 BHL:U-48351

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Kane Springs Federal Ut

8. Well Name and No.

Kane Springs Fed. 28-1ST

9. API Well No.

43-019-51325

10. Field and Pool, or Exploratory Area

wildcat

11. County or Parish, State

Grand County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Columbia Gas Development Corporation

3. Address and Telephone No.

P.O. Box 1350, Houston, TX 77251

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FSL & 1918' FEL of Section 28

RECEIVED

MAR 11 1992

DIVISION OF
OIL, GAS & MINING

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Activity Report

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

2/27/92 - 3/9/92 - Observing Well.

CONFIDENTIAL

14. I hereby certify that the foregoing is true and correct

Wendy G. Desormeaux

Signed Wendy G. Desormeaux

Title Regulatory Coordinator

Date 3/9/92

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

COLUMBIA GAS
Development



March 30, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T25S-R19E
Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script, reading "Wendy G. DesOrmeaux".

Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosure

RECEIVED

APR 02 1992

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Columbia Gas Development Corporation

3. Address and Telephone No.

P.O. Box 1350, Houston, TX 77251 713/871-3400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FSL & 1918' FEL of Section 28 T.25S, R.19E

5. Lease Designation and Serial No

SFC:50678 U-48351

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Kane Springs Federal Ut

8. Well Name and No.

Kane Springs Fed.28-1ST

9. API Well No.

43-019-31325

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Activity Report

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See attached Activity Report.

RECEIVED

APR 02 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Mindy L. DeGuzman

Title

Regulatory Coordinator

Date

3/30/92

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1 ST
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

3/10-3/22/92	Observing well. <i>Could</i>
3/23/92	RU coil tbg unit. Could not work tbg past 7440'. Prep to run centralizer on coil tbg.
3/24/92	Attempted to work into TOL - failed. Pumped Inversol into coil tbg., 5-1/2" liner & perfs. PU coil tbg to 7300'. SDFN.
3/25/92	Jetted tbg. dry. POOH w/coil tbg. Prep to run index tool.
3/26/92	RIH w/index tool. Washed mud from 5-1/2" csg from 7355-7510'. Circ annulus clean. PU to 7400'. SDFN.
3/27/92	Washed mud to 7632'. POOH w/coil tbg & RD. Secured well.
3/28-3/30/92	Evaluating further workover activities.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. SFC:50678 U-48351
2. Name of Operator Columbia Gas Development Corporation	6. If Indian, Allottee or Tribe Name N/A
3. Address and Telephone No. P.O. Box 1350, Houston, TX 77251 713/871-3400	7. If Unit or CA, Agreement Designation Kane Springs Federal Ut
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 800' FSL & 1918' FEL of Section 28	8. Well Name and No. Kane Springs Fed.28-1ST
	9. API Well No. 43-019-31325
	10. Field and Pool, or Exploratory Area Wildcat
	11. County or Parish, State Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Activity Report</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached Activity Report.

RECEIVED

APR 02 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed <u>Wendy L. Desormeaux</u>	Title <u>Regulatory Coordinator</u>	Date <u>3/30/92</u>
(This space for Federal or State office use)		
Approved by _____	Title _____	Date _____
Conditions of approval, if any:		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1 ST
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

3/10-3/22/92	Observing well.
3/23/92	RU coil tbg unit. Could not work tbg past 7440'. Prep to run centralizer on coil tbg.
3/24/92	Attempted to work into TOL - failed. Pumped Inversol into coil tbg., 5-1/2" liner & perfs. PU coil tbg to 7300'. SDFN.
3/25/92	Jetted tbg. dry. POOH w/coil tbg. Prep to run index tool.
3/26/92	RIH w/index tool. Washed mud from 5-1/2" csg from 7355-7510'. Circ annulus clean. PU to 7400'. SDFN.
3/27/92	Washed mud to 7632'. POOH w/coil tbg & RD. Secured well.
3/28-3/30/92	Evaluating further workover activities.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR COLUMBIA GAS DEVELOPMENT

OPERATOR ACCT. NO. N 5035

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	11180	11180	43-019-31310	KANE SPRINGS FED. 27-1	NWSE	27	25S	19E	GRAND	12-28-90	1-18-91
WELL 1 COMMENTS: KANE SPRINGS UNIT/CANE CREEK PA "A"											
D	11180	11353	43-019-31324	KANE SPRINGS FED. #19-1A	SWNE	19	26S	20E	GRAND	7-04-91	11-12-91
WELL 2 COMMENTS: KANE SPRINGS UNIT/NON PA											
D	11180	11354	43-019-31325	KANE SPRINGS FED. #28-1	NWSE	28	25S	19E	GRAND	10-27-91	11-4-91
WELL 3 COMMENTS: KANE SPRINGS UNIT/NON PA											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

L. ROMERO (DOGM)

Signature

ADMIN. ANALYST

3-24-92

Title

Date

Phone No. ()

DATE 03/24/92

PRODUCTION INQUIRY SCREEN

MENU: OPTION 00

TWNSHP RANGE SC SPOT MD. API ZONE STATUS

25.0 S 19.0 E 27 NWSE S 43-019-31310 CNCR POW

OPERATOR: N5035 : COLUMBIA GAS DEVELOPMENT

WELL NAME: KANE SPRINGS FED. 27-1

ENTITY: 11180 : KANE SPRINGS UNIT

ACCT	ENTY	DAYS	OIL PROD	GAS PROD	WATER PROD	PERIOD
CUM THRU	12/31/90		0.00	0.00	0.00	
N5035	11180	4	2282.00	735.00	0.00	91-04
N5035	11180	17	12583.00	9427.00	0.00	91-05
N5035	11180	13	8812.00	6658.00	0.00	91-06
N5035	11180	14	6717.00	7244.00	0.00	91-07
N5035	11180	31	16154.00	17247.00	0.00	91-08
N5035	11180	30	14999.00	14612.00	0.00	91-09
N5035	11180	31	13727.00	11870.00	0.00	91-10
N5035	11180	30	10583.00	10775.00	0.00	91-11
N5035	11180	31	10707.00	11074.00	0.00	91-12
	YTD		96,564	89,642	0	

OPT: 13 API: 4301931310 ZONE: CNCR PERIOD(Yymm): 9100 ENTY:

0 ACCT:

DATE 03/24/92 PRODUCTION INQUIRY SCREEN
TWNSHP RANGE SC SPOT MD. API ZONE STATUS
26.0 S 20.0 E 19 SWNE S 43-019-31324 CNCR POW
OPERATOR: N5035 : COLUMBIA GAS DEVELOPMENT
WELL NAME: KANE SPRINGS FED. #19-1A
ENTITY: 11180 : KANE SPRINGS UNIT

MENU: OPTION 00

ACCT	ENTY	DAYS	OIL PROD	GAS PROD	WATER PROD	PERIOD
CUM THRU 12/31/90			0.00	0.00	0.00	
N5035	11180	1	1060.00	228.00	0.00	91-11
N5035	11180	31	10862.00	9763.00	0.00	91-12
	YTD		11,922	9,991	0	
OPT: 13 API: 4301931324 ZONE: CNCR PERIOD(YMM): 9100 ENTY:					0 ACCT:	

03/24/92		DISPOSITION INQUIRY SCREEN			MENU: OPTION 00		
ENTITY: 11180 : KANE SPRINGS UNIT							
OPERATOR: N5035 : COLUMBIA GAS DEVELOPMENT							
MNTH	ACCT	PRODUCT	PRODUCED	TRANSPORT USED ON LSE	FLARED	OTHER	
9100		GS	NO DATA FOUND				
9100		OL	NO DATA FOUND				
9100		NL	NO DATA FOUND				
9101		GS	NO DATA FOUND				
9101		OL	NO DATA FOUND				
9101		NL	NO DATA FOUND				
9102		GS	NO DATA FOUND				
9102		OL	NO DATA FOUND				
9102		NL	NO DATA FOUND				
9103		GS	NO DATA FOUND				
9103		OL	NO DATA FOUND				
9103		NL	NO DATA FOUND				
9104	N5035	GS	735	0	0	735	0
	N5035	OL	2,282	2,282	0	0	0
	N5035	NL	0	0	0	0	0
9105	N5035	GS	9,427	0	113	9,314	0
	N5035	OL	12,583	11,171	0	0	0
	N5035	NL	0	0	0	0	0

OPT: 18 API: 4301931310 ZONE: CNCR PERIOD(YMM): 9106 ENTY: 11180 ACCT:

03/24/92

DISPOSITION INQUIRY SCREEN

MENU: OPTION 00

ENTITY: 11180 : KANE SPRINGS UNIT

OPERATOR: N5035 : COLUMBIA GAS DEVELOPMENT

MNTH	ACCT	PRODUCT	PRODUCED	TRANSPORT USED	ON LSE	FLARED	OTHER
9106	N5035	GS	6,658	0	79	6,579	0
	N5035	OL	8,812	10,199	0	0	0
	N5035	NL	0	0	0	0	0
9107	N5035	GS	7,244	0	200	7,044	0
	N5035	OL	6,717	5,741	0	0	0
	N5035	NL	0	0	0	0	0
9108	N5035	GS	17,247	0	455	16,792	0
	N5035	OL	16,154	16,225	0	0	0
	N5035	NL	0	0	0	0	0
9109	N5035	GS	14,612	0	435	14,177	0
	N5035	OL	14,999	15,189	0	0	0
	N5035	NL	0	0	0	0	0
9110	N5035	GS	11,870	0	434	11,436	0
	N5035	OL	13,727	13,808	0	0	0
	N5035	NL	0	0	0	0	0
9111	N5035	GS	11,003	0	395	10,608	0
	N5035	OL	11,643	11,602	0	0	0
	N5035	NL	0	0	0	0	0

OPT: 18 API: 4301931310 ZONE: CNCR PERIOD(YMM): 9112 ENTY: 11180 ACCT:

03/24/92

DISPOSITION INQUIRY SCREEN

MENU: OPTION 00

ENTITY: 11180 : KANE SPRINGS UNIT

OPERATOR: N5035 : COLUMBIA GAS DEVELOPMENT

MNTH	ACCT	PRODUCT	PRODUCED	TRANSPORT	USED	ON LSE	FLARED	OTHER
9112	N5035	GS	20,837	0		814	20,023	0
	N5035	OL	21,569	21,036		0	0	0
	N5035	NL	0	0		0	0	0

9201 GS NO DATA FOUND

9201 OL NO DATA FOUND

9201 NL NO DATA FOUND

9202 GS NO DATA FOUND

9202 OL NO DATA FOUND

9202 NL NO DATA FOUND

9203 GS NO DATA FOUND

9203 OL NO DATA FOUND

9203 NL NO DATA FOUND

9204 GS NO DATA FOUND

9204 OL NO DATA FOUND

9204 NL NO DATA FOUND

9205 GS NO DATA FOUND

9205 OL NO DATA FOUND

9205 NL NO DATA FOUND

OPT: 18 API: 4301931310 ZONE: CNCR PERIOD(YMM): 9206 ENTY: 11180 ACCT:

COLUMBIA GAS
Development



April 24, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

**Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T25S-R19E
Grand County, Utah**

Gentlemen:

Please find enclosed Columbia's Activity Report for the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script that reads "Wendy G. DesOrmeaux".

Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosure

RECEIVED

APR 27 1992

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

SFC:50678 U-48351

6. If Indian, Allottee or Tribe Name

N/A

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Columbia Gas Development Corporation

3. Address and Telephone No.

P. O. Box 1350, Houston, TX 77251

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FSL & 1918' FEL of Section 28

7. If Unit or CA, Agreement Designation

Kane Springs Fed. Ut.

8. Well Name and No.

Kane Springs Fed 28-1ST

9. API Well No.

43-019-31325

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Activity Report

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pit Closure Activities:

4/14-4/16/92 - Centrifuging pit.

4/17/92 - Suspended operations. Waiting on approval of specifications.

4/21/92 - Replaced fencing around pit.

Will resume operations when blasting issue resolved. Will submit next activity report when operations resume.

RECEIVED

APR 27 1992

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Wendy A. Desormeaux

Title Regulatory Coordinator

Date 4/24/92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

COLUMBIA GAS
Development



RECEIVED

APR 16 1992

DIVISION OF
OIL GAS & MINING

April 13, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T25S-R19E
Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Activity Report for the drilling of the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux

Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
SFC:50678 U-48351

6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
Kane Springs Federal Ut

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
Kane Springs Fed.28-1ST

2. Name of Operator
Columbia Gas Development Corporation

9. API Well No.
43-019-31325

3. Address and Telephone No.
P.O. Box 1350, Houston, TX 77251-1350 713/871-3400

10. Field and Pool, or Exploratory Area
Wildcat

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FSL & 1918' FEL of Section 28

11. County or Parish, State
Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other Activity Report

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached for Activity Report.

RECEIVED

APR 16 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Wendy R. Remeaux

Title Regulatory Coordinator

Date 4/13/92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

COLUMBIA GAS DEVELOPMENT CORPORATION

KANE SPRINGS FEDERAL #28-1 ST
SEC.28-T25S-R19E
GRAND COUNTY, UTAH

DAILY ACTIVITY REPORT

3/31/92 - 4/8/92 Observing well.
4/9/92 RU & tested Cudd Snubbing Unit.
4/10/92 RIH w/2-1/4" mill. Ran 193 jts to 6010'.
4/11/92 Rotated & washed in 5-1/2" csg from 7674-8114'.
 Circ hole clean.

PIT CLOSURE ACTIVITIES:

4/13/92 Centrifuging pit fluids, putting liquid in
 portable tanks and storing solids in a portion
 of the pit. Estimate centrifuging will
 continue for approximately 3 more days. Will
 proceed with stabilization and closure -
 expected to be completed 4/24/92.



RECEIVED

MAY 13 1992

DIVISION OF
OIL GAS & MINING

May 11, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T25S-R19E
Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Activity Report for the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script that reads 'Wendy G. DesOrmeaux'.

Wendy G. DesOrmeaux
Regulatory Coordinator

cc: Elmer Duncan - Grand Resource Office

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
SFC:50678 U-48351

6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Columbia Gas Development Corporation

3. Address and Telephone No.

P. O. Box 1350, Houston, TX 77251-1350 713/871-3482

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FSL & 1918' FEL of Section 28 25S 19E

7. If Unit or CA, Agreement Designation

Kane Springs Federal Ut

8. Well Name and No.

Kane Springs Fed.28-1ST

9. API Well No.

43-019-31325

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other: Pit Closure Activity
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Following are the pit closure activities conducted from 5/5/92-5/11/92:

5/5/92- Moved in equipment. Started drilling holes as per approved Sundry.
5/6/92- Continued drilling holes.
5/7/92- Compressor down.
5/8-5/10/92- Repairing compressor.
5/11/92- Resumed drilling holes.

Moved reserve pit fence to include shot hole area.

RECEIVED

MAY 13 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Wendy L. DeCimeaux

Title Regulatory Coordinator

Date 5/11/92

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:



May 12, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

**Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T25S-R19E
Grand County, Utah**

Gentlemen:

Please find enclosed Columbia's Sundry requesting a Temporarily Abandoned status on the above-referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script that reads "Wendy G. DesOrmeaux".

Wendy G. DesOrmeaux
Regulatory Coordinator

Enclosure

RECEIVED

MAY 14 1992

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

SFC:50678 U-48351

6. If Indian, Allottee or Tribe Name

N/A

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Columbia Gas Development Corporation

3. Address and Telephone No.

P.O. Box 1350, Houston, TX 77251-1350 713/871-3400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FSL & 1918' FEL of Section 28

7. If Unit or CA, Agreement Designation

Kane Springs Federal Ut

8. Well Name and No.

Kane Springs Fed.28-1ST

9. API Well No.

43-019-31325

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment (Temporary)
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Columbia Gas Development Corporation requests a ~~Temporarily Abandoned~~ status on the ~~Kane Springs Federal 28-1ST~~ for a period of 12 months. At this time the well is non-productive, and we are evaluating various future alternatives for the wellbore. The casing was pressure tested during the recent completion and the wellhead has been secured.

RECEIVED

MAY 14 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Mindy S. McCreary

Title Regulatory Coordinator

Date 5/12/92

(This space for Federal or State office use)

Approved by _____

Conditions of approval, if any:

Title _____

Date _____

COLUMBIA GAS
Development



May 29, 1992

RECEIVED

JUN 02 1992

**DIVISION OF
OIL GAS & MINING**

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

**Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T25S-R19E
Grand County, Utah**

Gentlemen:

Please find enclosed Columbia's Activity Report for the pit closure on the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

Wendy G. DesOrmeaux
Wendy G. DesOrmeaux
Regulatory Coordinator

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
SFC:50678 U-48351

6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Columbia Gas Development Corporation

3. Address and Telephone No.

P. O. Box 1350, Houston, TX 77251 713/871-3400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FSL & 1918' FEL of Section 28

7. If Unit or CA, Agreement Designation

Kane Springs Federal Ut

8. Well Name and No.

Kane Springs Fed. 28st

9. API Well No.

43-019-31325

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Activity Report
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached for pit closure activity report.

RECEIVED

JUN 02 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Wendy H. DesCarmes

Title Regulatory Coordinator

Date 5/29/92

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Kane Springs Federal #28-1ST

5/1/92 - 5/7/92 Removed fence from west side of pit. Drilled blast holes in excavated area. Replaced fence around pit and blast holes.

5/8/92 - 5/14/92 Waiting on powderman to return from vacation.

5/15/92 Loaded blast holes with charges (13#/hole). Notified BLM the pit would be shot at 12 noon. Shot pit at 12 noon. Started pushing out blast area.

5/16/92 - 5/17/92 Pushing out blast area.

5/18/92 Finished pushing out blast area. Breached wall between blast area and old pit. Started mixing pit contents with native soil and gel.

5/19/92 Mixing pit contents with native soil and gel.

5/20/92 Finished mixing pit contents. Total gel used in mixing process was 70 tons. A 5 ton gel cap was installed. The solidified area was covered with native rock and then covered with native rock/soil for an average coverage of 3-1/2 feet.

5/21/92 Total pit area covered with remaining excavated soil to contour land as much as possible.

Will fence total disturbed area of pit reclamation.



RECEIVED

JUL 06 1992

**DIVISION OF
OIL GAS & MINING**

July 1, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

**Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T25S-R19E
Grand County, Utah**

Gentlemen:

Please find enclosed Columbia's Activity Report for the testing performed on the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script, reading "Wendy G. DesOrmeaux".

Wendy G. DesOrmeaux
Regulatory Coordinator

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

RECEIVED

JUL 06 1992

DIVISION OF
OIL GAS & MINING

5. Lease Designation and Serial No.

SFC:50678 BHL:U-48351

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Kane Springs Federal Ut

8. Well Name and No.

Kane Springs #28-1ST

9. API Well No.

43-019-31325

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Grand County, Utah

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Columbia Gas Development Corporation

3. Address and Telephone No.

P.O. Box 1350, Houston, TX 77251-1350

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

~~200'~~ FSL & ~~1918'~~ FEL of Sec. 28-T25S-R19E

1900 1900

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Testing-Activity
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The following is a summary of the testing performed on the #28-1:

6/25/92 - Hooked up 400 bbl tank. Blew well down. Opened to 63/64 for 4 hours. Had stream of water size of pencil. Shut well in.

6/26/92 - Rig up swab rig. Made 9 swab runs. Total fluid swabbed = 45 bbls. Sent samples of fluid to be analyzed.

Well shut in - waiting on decision to perform further testing.

14. I hereby certify that the foregoing is true and correct

Signed

Wendy S. McNamee

Title Regulatory Coordinator

Date 7/1/92

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date



VIA AIRBORNE EXPRESS

July 14, 1992

RECEIVED

JUL 15 1992

Bureau of Land Management
Moab District
82 E. Dogwood
Moab, Utah 84532

**DIVISION OF
OIL GAS & MINING**

Attention: Mr. William Stringer

Reference: Columbia Gas Development Corporation
Kane Springs Federal #28-1ST
Sec., 28-T25S-R19E
Grand County, Utah

Dear Mr. Stringer:

Please find enclosed an original and two copies of Columbia's Completion Report regarding the above referenced location.

The directional surveys and logs submitted represent the pilot hole, original directional hole and sidetrack. The core analysis will be forwarded under separate cover as soon as available.

The well is currently shut-in and we are evaluating future alternatives for the wellbore. We have requested and obtained approval of a Temporarily Abandoned status for this well from your office for a period of one year beginning 5/18/92.

Columbia Gas Development respectfully requests that the information being submitted be kept confidential for the maximum amount of time available.

If you have any questions or require any additional information, please contact me at 713/871-3482.

Sincerely,

A handwritten signature in cursive script that reads "Wendy G. DesOrmeaux".

Wendy G. DesOrmeaux
Regulatory Coordinator

WGD
Enclosures

cc: State of Utah Office of Natural Resources
Division of Oil, Gas & Mining - Mr. R. J. Firth

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other _____
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
		DIFF. RESVR. <input type="checkbox"/>	Other _____	Shut-In	
2. NAME OF OPERATOR Columbia Gas Development Corporation					
3. ADDRESS OF OPERATOR P.O. Box 1350, Houston, TX 77251-1350					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 800' FSL & 1918' FEL of Sec. 28 At top prod. interval reported below 1900' 1147' FSL & 1656' FEL of Sec. 28 At total depth 2416' FSL & 1374' FEL					
14. PERMIT NO.		DATE ISSUED			
43-019-31325		9/6/91			
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)	
10/27/91		2/2/92		2/24/92	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD			
GR: 5576 RKB: 5602					
20. TOTAL DEPTH, MD & TVD		21. PLUG. BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*	
9012MD/7232TVD		9012MD/7232TVD		NA	
23. INTERVALS DRILLED BY		ROTARY TOOLS		CABLE TOOLS	
XXXX		XXXX			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*					25. WAS DIRECTIONAL SURVEY MADE
7673 MD/ 7336' TVD - 9012' MD/ 7233' TVD					Yes
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/GR, BHC/GR, RWD					27. WAS WELL CORRED.
1-15-92 11600(2) 11240(2) DUAL PROPAGATION RESISTIVITY PLUS DIRECTIONAL					Yes
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
30"	Conductor	85'	Driven		---
20"	133# K-55	636'	24"	980sx Cl. G Neat	---
13-3/8"	61# K-55	4394'	17-1/2"	170sx Pacesetter + 365sx Cl G Neat	---
9-5/8"	53.5# C-95	7687'	12-1/4"	1210 sx Cl. G	---
29. LINER RECORD			30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE
5-1/2"	7384'	9012'	Pkr. @ 7278'	--	2-7/8
31. FRACURATION RECORD (Interval, size, and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
Preperfed pipe every 3 feet @ .90 degree intervals			DEPTH INTERVAL (MD)		
			AMOUNT AND KIND OF MATERIAL USED		
			N/A		
			CONFIDENTIAL		
33. PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
2/24/92		Flowing			Shut-In
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
2/24/92	*SEE NOTE			0	0
WATER—BBL.	GAS-OIL RATIO				
0					
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					TEST WITNESSED BY
NA					NA
35. LIST OF ATTACHMENTS Directional Survey, Logs on Pilot Hole, Original Directional Hole & Sidetrack					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED Wendy L. DeBarnaux		TITLE Regulatory Coordinator		DATE 7/14/92	

*(See Instructions and Spaces for Additional Data on Reverse Side)

** Blew and jetted down well. Never established any oil or gas production from well

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other Shut-In

2. NAME OF OPERATOR
Columbia Gas Development Corporation

3. ADDRESS OF OPERATOR
P.O. Box 1350, Houston, TX 77251-1350

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 800' FSL & 1918' FEL of Sec. 28
At top prod. interval reported below 1900'
1147' FSL & 1656' FEL of Sec. 28
At total depth 2416' FSL & 1374' FEL

RECEIVED

JUL 15 1992

DIVISION OF
OIL GAS & MINING5. LEASE DESIGNATION AND SERIAL NO.
SFC:50678 U-483516. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A7. UNIT AGREEMENT NAME
Kane Springs Federal Ut.8. FARM OR LEASE NAME
Kane Springs Federal9. WELL NO.
28-1ST10. FIELD AND POOL, OR WILDCAT
Wildcat11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 28-T25S-R19E12. COUNTY OR PARISH
Grand13. STATE
Utah

15. DATE SPUDDED 10/27/91 16. DATE T.D. REACHED 2/2/92 17. DATE COMPL. (Ready to prod.) 2/24/92 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GR: 5576 RKB:5602 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 9012MD/7232TVD 21. PLUG BACK T.D., MD & TVD 9012MD/7232TVD 22. IF MULTIPLE COMPL., HOW MANY* NA 23. INTERVALS DRILLED BY XXXX ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7673 MD/ 7336' TVD - 9012' MD/ 7233' TVD 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/GR, BHC/GR, RWD 27. WAS WELL CORRED. Yes

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
30"	Conductor	85'	Driven		---
20"	133# K-55	636'	24"	980sx Cl. G Neat	---
13-3/8"	61# K-55	4394'	17-1/2"	170sx Pacesetter + 365sx Cl G Neat	---
9-5/8"	53.5# C-95	7687'	12-1/4"	1210 sx Cl. G	---

29. LINER RECORD				30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	PACKER SET (MD)	
5-1/2"	7384'	9012'	Pkr. @ 7278'	7278'	

31. PERFORATION RECORD (Interval, size and number)
Preperfed pipe every 3 feet @ .90 degree intervals

33.* PRODUCTION RECORD				34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pw)	CHOKED SIZE	PROD'N. FOR TEST PERIOD	PRODUCING OR SHUT-IN	PRODUCING OR SHUT-IN
2/24/92	Flowing			22 93 FSL 2017 FEL	
DATE OF TEST	HOURS TESTED	CALCULATED 24-HOUR RATE	OIL—BBL.	WATER—BBL.	WATER—BBL.
2/24/92	*SEE NOTE				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
NA35. LIST OF ATTACHMENTS
Directional Survey, Logs on Pilot Hole, Original Directional Hole & Sidetrack36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Wendy L. Deschamps TITLE Regulatory Coordinator DATE 7/14/92

*(See Instructions and Spaces for Additional Data on Reverse Side)

** Blew and jetted down well. Never established any oil or gas production from well

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and tag on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (dillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Items 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 21 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP
						TRUE VERT. DEPTH
Chinle	640	917	Sandstones, Conglomerates, Shales	Cane Creek	7252'	7237'
Moenkopi	917	1340	Siltstones, Thin Sandstones	Clastic #21		
Cutler	1340	2555	Sandstones, Mudstones, Sandy Shales			
Honaker Trail	2555	3985	Sandstones, Mudstones, Sandy Shales			
Paradox	3985	T.D.	Salts, Anhydrites, Potash, Siltstones, and Shales			
Conventional Core	7697	7728	(Core taken in Directional Hole)			

Teleco Oilfield Services, Inc.

Rocky Mountain Region

Columbia Gas Development Corporation

Well Name : Kane Springs Federal No. 28-1
Location : Bartlett Flat Field
: Grand County, Utah
Date Surveyed : 12/04/91-12/31/91
Job No. : TRM 383
Survey Performed By : G. Hofmann, J. Escalante, A. Escalante

CONFIDENTIAL

This survey is correct to the best of my knowledge
and is supported by actual field data.

..... COMPANY REPRESENTATIVE

RECEIVED

JUL 15 1992

DIVISION OF
OIL GAS & MINING

Teleco Oilfield Services, Inc.

Client : Columbia Gas Development Corporation
Well Name : Kane Springs Federal No. 28-1
Location : Bartlett Flat Field
: Grand County, Utah
:

Date 12/04/91-12/31/91
Filename : KANE

No Interpolation

Plane of Vertical Section : 344.05°
Latitude & Departure relate to : PLATFORM CENTER
Vertical Section Originates at : PLATFORM CENTER
Slot Coordinates : Lat 0.000ft
: Dep 0.000ft
Directions Referenced To : TRUE NORTH
Depth at Drill Floor : 0.00 ft
Calculation Method : MINIMUM CURVATURE
Magnetic Declination : +12°51.000'E
Platform north : +0° 0' 0'' (T)
Grid convergence : +0.0000°

Teleco Oilfield Services, Inc.

Client : Columbia Gas Development Corporation
Well Name : Kane Springs Federal No. 28-1
Location : Bartlett Flat Field
: Grand County, Utah
:

Page 1 of 2
Date 12/04/91-12/31/91
Filename : KANE

No Interpolation

MD	C\L	INC	DIR	TVD	VS	LAT	DEP	D'LEG
ft	ft	deg	deg	ft	ft	ft	ft	°/100
6709	0	7.50	188.10	6701.50	-162.56	-187.50	-64.50	0.000
6747	38	7.70	191.10	6739.17	-167.09	-192.45	-65.34	1.169
6778	31	6.70	201.30	6769.92	-170.38	-196.18	-66.40	5.224
6810	32	6.00	225.20	6801.73	-172.67	-199.09	-68.26	8.476
6841	31	7.00	259.30	6832.54	-173.28	-200.59	-71.27	12.654
6872	31	9.80	282.50	6863.22	-171.85	-200.37	-75.70	14.009
6903	31	13.50	295.20	6893.58	-168.21	-198.25	-81.56	14.454
6935	32	17.60	301.50	6924.40	-162.19	-194.13	-89.06	13.839
6963	28	21.40	308.20	6950.79	-154.92	-188.76	-96.69	15.727
6998	35	24.90	315.20	6982.98	-143.29	-179.58	-106.91	12.705
7030	32	27.20	322.60	7011.73	-130.58	-168.98	-116.10	12.429
7061	31	29.30	328.60	7039.04	-116.67	-156.88	-124.36	11.386
7093	32	32.30	333.50	7066.53	-100.71	-142.54	-132.25	12.215
7125	32	35.40	337.30	7093.11	-83.09	-126.33	-139.65	11.726
7156	31	39.60	339.50	7117.70	-64.32	-108.78	-146.58	14.219
7187	31	43.90	340.90	7140.82	-43.73	-89.36	-153.56	14.192
7220	33	49.00	343.70	7163.55	-19.83	-66.58	-160.80	16.630
7251	31	53.80	345.40	7182.89	4.39	-43.24	-167.24	16.065
7283	32	58.70	345.80	7200.66	30.97	-17.47	-173.85	15.348
7314	31	63.50	346.10	7215.64	58.09	8.85	-180.44	15.507
7345	31	68.50	346.10	7228.24	86.38	36.33	-187.24	16.129
7377	32	71.20	346.80	7239.26	116.40	65.53	-194.28	8.684
7409	32	71.50	346.50	7249.50	146.68	95.03	-201.28	1.291
7441	32	71.20	346.50	7259.73	176.98	124.51	-208.36	0.938
7472	31	71.00	346.50	7269.77	206.28	153.03	-215.20	0.644
7504	32	71.20	346.50	7280.14	236.53	182.47	-222.27	0.624
7535	31	71.20	346.80	7290.13	265.84	211.02	-229.05	0.916
7567	32	71.10	346.80	7300.47	296.09	240.51	-235.96	0.315
7599	32	70.60	346.80	7310.96	326.28	269.94	-242.86	1.563
7628	29	70.30	346.50	7320.67	353.58	296.53	-249.17	1.421
7723	95	70.80	347.20	7352.30	443.05	383.76	-269.55	0.872
7755	32	75.10	346.80	7361.68	473.60	413.56	-276.43	13.491
7787	32	79.40	346.50	7368.74	504.77	443.92	-283.64	13.469
7819	32	79.80	346.50	7374.52	536.22	474.52	-290.99	1.250
7850	31	79.90	346.10	7379.98	566.71	504.17	-298.21	1.311
7881	31	79.10	346.50	7385.63	597.17	533.78	-305.43	2.876
7912	31	79.50	346.80	7391.39	627.60	563.42	-312.47	1.603
7944	32	79.50	346.80	7397.22	659.02	594.05	-319.65	0.000
7974	30	79.60	347.20	7402.66	688.49	622.80	-326.29	1.353
8000	26	78.90	347.20	7407.51	713.99	647.71	-331.95	2.692

Teleco Oilfield Services, Inc.

Client : Columbia Gas Development Corporation
 Well Name : Kane Springs Federal No. 28-1
 Location : Bartlett Flat Field
 : Grand County, Utah

Page 2 of 2
 Date 12/04/91-12/31/91
 Filename : KANE

No Interpolation

MD	C\L	INC	DIR	TVD	VS	LAT	DEP	D'LEG
ft	ft	deg	deg	ft	ft	ft	ft	°/100
8032	32	80.20	347.20	7413.31	745.41	678.40	-338.92	4.062
8064	32	84.70	347.90	7417.52	777.07	709.36	-345.75	14.229
8096	32	90.20	348.60	7418.94	808.94	740.65	-352.26	17.326
8127	31	92.70	349.30	7418.16	839.81	771.06	-358.20	8.374
8159	32	92.20	349.30	7416.79	871.65	802.48	-364.14	1.563
8187	28	91.60	349.30	7415.86	899.52	829.98	-369.33	2.143
8215	28	90.70	348.90	7415.30	927.40	857.47	-374.63	3.517
8250	35	90.90	348.90	7414.81	962.27	891.81	-381.36	0.571
8282	32	91.80	348.90	7414.06	994.15	923.20	-387.52	2.813
8314	32	92.50	348.60	7412.85	1026.02	954.56	-393.76	2.380
8345	31	94.50	348.90	7410.96	1056.85	984.91	-399.80	6.523
8369	24	96.00	348.90	7408.77	1080.67	1008.36	-404.40	6.250
8377	8	96.20	348.60	7407.92	1088.60	1016.16	-405.95	4.492
8409	32	96.20	348.60	7404.46	1120.31	1047.35	-412.24	0.000
8441	32	94.90	348.60	7401.37	1152.06	1078.57	-418.53	4.062
8472	31	94.70	348.60	7398.77	1182.85	1108.85	-424.64	0.644
8503	31	95.20	348.60	7396.10	1213.64	1139.13	-430.74	1.613
8534	31	96.00	348.60	7393.07	1244.39	1169.37	-436.84	2.580
8560	26	96.10	348.60	7390.33	1270.17	1194.71	-441.95	0.388
8591	31	96.40	348.20	7386.96	1300.89	1224.90	-448.15	1.607
8623	32	99.80	348.20	7382.45	1332.49	1255.91	-454.63	10.625
8638	15	101.70	348.20	7379.65	1347.18	1270.33	-457.64	12.667
8685	47	107.65	348.20	7367.75	1392.51	1314.82	-466.93	12.660

Origin of Bottom Hole Closure PLATFORM CENTRE
 Bottom Hole Closure 1395 ft 340.45°

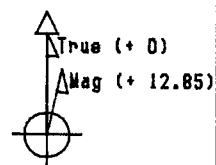
The survey at 6709 feet is the Tie-In.
 The survey at 8685 feet is projected from the
 previous survey station.

Columbia Gas Development Corporation

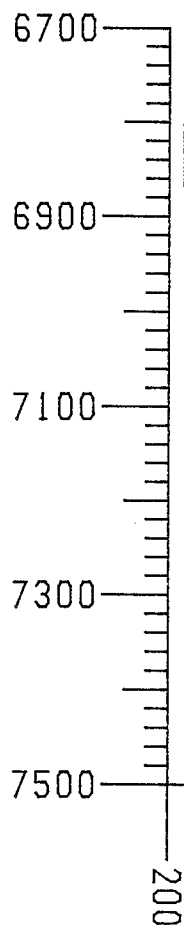
Bartlett Flat
Kane Springs Federal 28-1

Grand County, Utah

True North



True Vertical Depth Scale 1 inch = 200 ft



Vertical Section Scale 1 inch = 350 ft

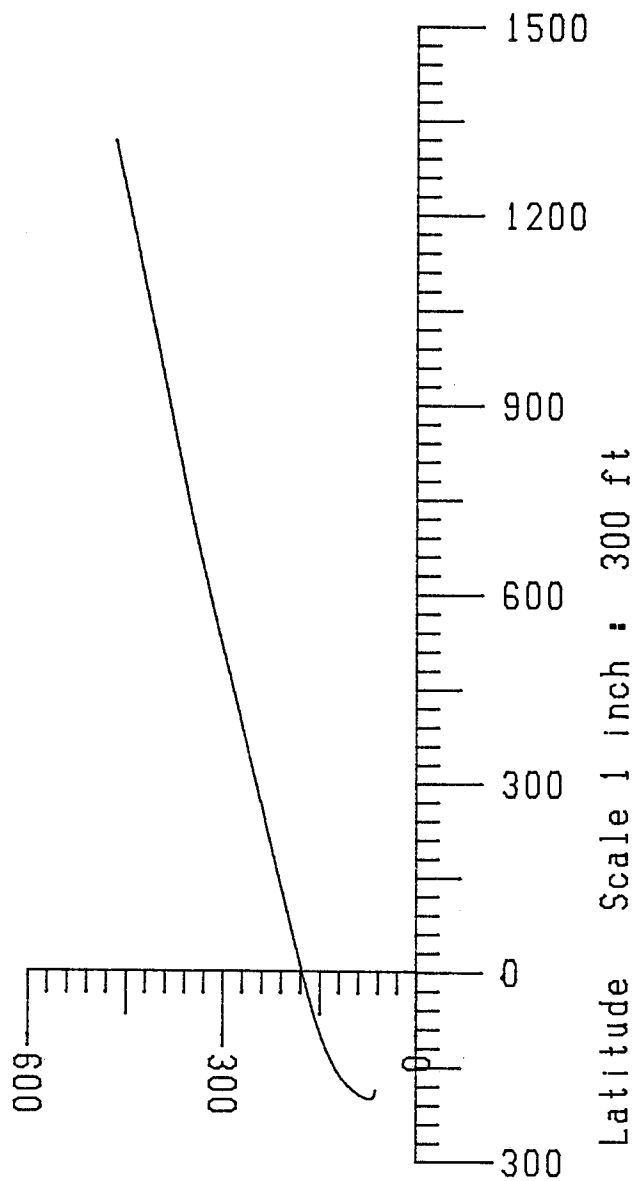
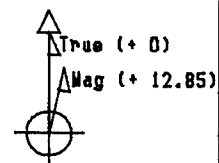
PLANE OF VERT SECTn 344.05°

Columbia Gas Development Corporation

Bartlett Flat
Kane Springs Federal 28-1

Grand County, Utah

True North



Departure Scale 1 inch = 300 ft

PLANE OF VERT SECTn 344.05°

Teleco Oilfield Services, Inc.

Rocky Mountain Division

Columbia Gas Development Corporation

Well Name : Kane Springs Federal 28-1 ST
Location : Bartlett Flat Field
: Grand County, Utah
:
Date Surveyed : 1/20/92 to 2/1/92
Job No. : TRM 383-A
Survey Performed By : George Hofmann Javier Escalante

CONFIDENTIAL

This survey is correct to the best of my knowledge
and is supported by actual field data.

[Signature]
..... COMPANY REPRESENTATIVE

RECEIVED

JUL 15 1992

DIVISION OF
OIL GAS & MINING

Teleco Oilfield Services, Inc.

Client : Columbia Gas Development Corporation
Well Name : Kane Springs Federal 28-1 ST
Location : Bartlett Flat Field
: Grand County, Utah
:

Date 1/20/92 to 2/1/92
Filename : KANE2

No Interpolation

Plane of Vertical Section : 343.00°
Latitude & Departure relate to : WELLSITE CENTER
Vertical Section Originates at : WELLSITE CENTER
Slot Coordinates : Lat 0.000ft
: Dep 0.000ft
Directions Referenced To : TRUE NORTH
Depth at Drill Floor : 0.00 ft

Calculation Method : MINIMUM CURVATURE

Magnetic Declination : +12.85° WELLSITE North : +0° 0' 0'' (T)
Grid convergence : +0.0000°

Teleco Oilfield Services, Inc.

Client : Columbia Gas Development Corporation
 Well Name : Kane Springs Federal 28-1 ST
 Location : Bartlett Flat Field
 : Grand County, Utah
 :

Page 1 of 2
 Date 1/20/92 to 2/1/92
 Filename : KANE2

No Interpolation

MD	C\L	INC	DIR	TVD	VS	LAT	DEP	D'LEG
ft	ft	deg	deg	ft	ft	ft	ft	°/100
7881	0	79.10	346.50	7385.63	599.76	533.78	-305.43	0.000
7895	14	78.50	345.80	7388.35	613.47	547.11	-308.72	6.514
7927	32	79.20	344.70	7394.54	644.84	577.47	-316.71	4.020
7959	32	81.50	343.70	7399.90	676.38	607.83	-325.30	7.820
7990	31	83.70	343.00	7403.89	707.12	637.28	-334.11	7.442
8021	31	85.90	342.60	7406.70	737.99	666.77	-343.24	7.212
8053	32	89.70	343.00	7407.93	769.96	697.31	-352.69	11.940
8086	33	94.60	344.00	7406.69	802.92	728.92	-362.05	15.154
8115	29	98.70	344.70	7403.34	831.71	756.65	-369.82	14.340
8147	32	100.70	344.40	7397.94	863.24	787.05	-378.23	6.318
8178	31	100.50	345.10	7392.24	893.70	816.45	-386.24	2.312
8209	31	99.10	345.80	7386.97	924.22	846.01	-393.92	5.035
8241	32	99.10	346.50	7381.90	955.77	876.69	-401.48	2.160
8272	31	99.30	346.80	7376.95	986.30	906.47	-408.54	1.152
8303	31	99.60	347.50	7371.86	1016.80	936.28	-415.35	2.428
8334	31	99.70	347.90	7366.66	1047.26	966.14	-421.86	1.312
8366	32	99.80	348.20	7361.24	1078.68	996.99	-428.39	0.976
8398	32	100.10	348.20	7355.71	1110.07	1027.85	-434.83	0.938
8429	31	100.10	348.20	7350.28	1140.46	1057.72	-441.07	0.000
8460	31	100.10	348.20	7344.84	1170.85	1087.60	-447.31	0.000
8491	31	100.60	347.90	7339.27	1201.23	1117.43	-453.63	1.873
8523	32	100.70	347.50	7333.36	1232.57	1148.16	-460.33	1.267
8554	31	100.60	347.50	7327.63	1262.95	1177.90	-466.92	0.325
8586	32	100.20	347.90	7321.85	1294.32	1208.65	-473.63	1.753
8618	32	98.80	348.60	7316.57	1325.74	1239.55	-480.05	4.878
8650	32	96.50	349.30	7312.31	1357.29	1270.68	-486.13	7.507
8682	32	94.50	350.00	7309.24	1388.92	1302.01	-491.85	6.619
8715	33	94.10	350.00	7306.77	1421.58	1334.42	-497.57	1.212
8745	30	94.30	350.00	7304.57	1451.28	1363.88	-502.76	0.666
8777	32	97.30	349.30	7301.34	1482.90	1395.20	-508.48	9.624
8819	42	104.80	349.60	7293.29	1523.83	1435.69	-516.02	17.871
8851	32	109.90	349.60	7283.75	1554.16	1465.72	-521.54	15.938
8882	31	111.20	350.40	7272.87	1582.97	1494.31	-526.58	4.840
8914	32	109.50	350.40	7261.75	1612.72	1523.89	-531.58	5.312
8945	31	107.90	350.70	7251.81	1641.83	1552.85	-536.40	5.242
9012	67	104.44	351.35	7233.15	1705.54	1616.41	-546.44	5.248

Teleco Oilfield Services, Inc.

Client : Columbia Gas Development Corporation
Well Name : Kane Springs Federal 28-1 ST
Location : Bartlett Flat Field
: Grand County, Utah
:

Page 2 of 2
Date 1/20/92 to 2/1/92
Filename : KANE2

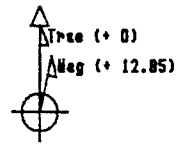
No Interpolation

Origin of Bottom Hole Closure WELLSITE CENTRE
Bottom Hole Closure 1706 ft 341.32°

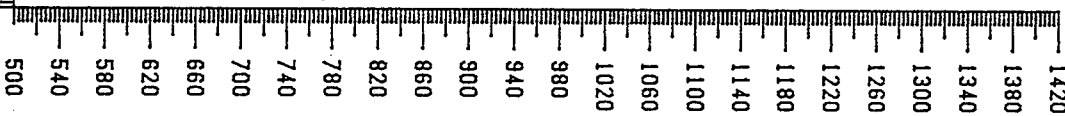
The survey at 7881 feet is the Tie In.
The survey at 9012 feet is projected.

Columbia Gas Development Corporation
 Bartlett Flat Field
 Kane Springs Federal 28-1 Sidetrack
 Grand County, Utah

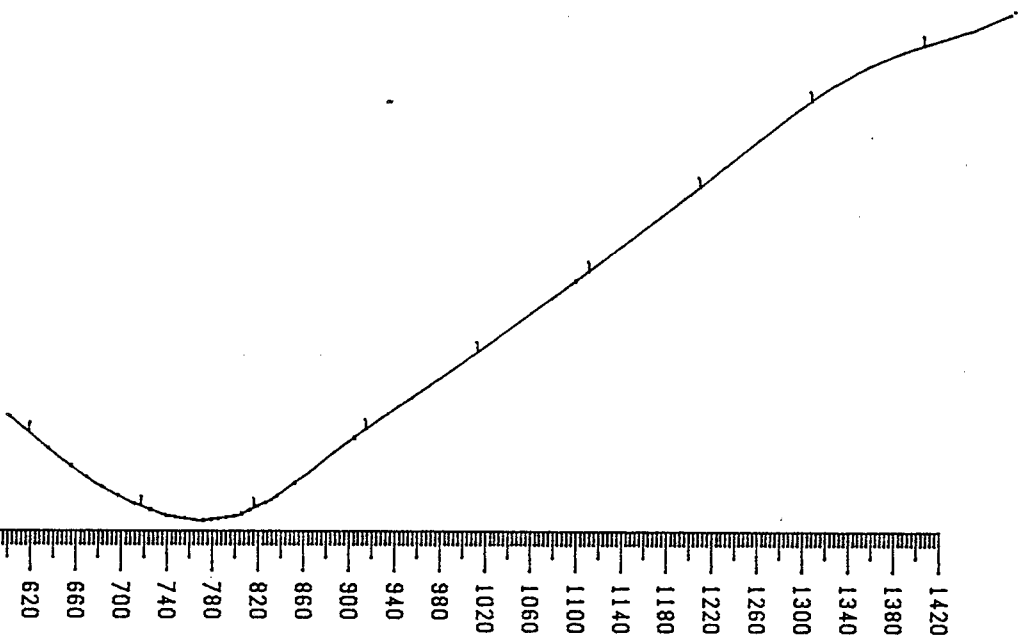
True North



True Vertical Depth Scale 1 inch = 10 ft



Vertical Section Scale 1 inch = 40 ft



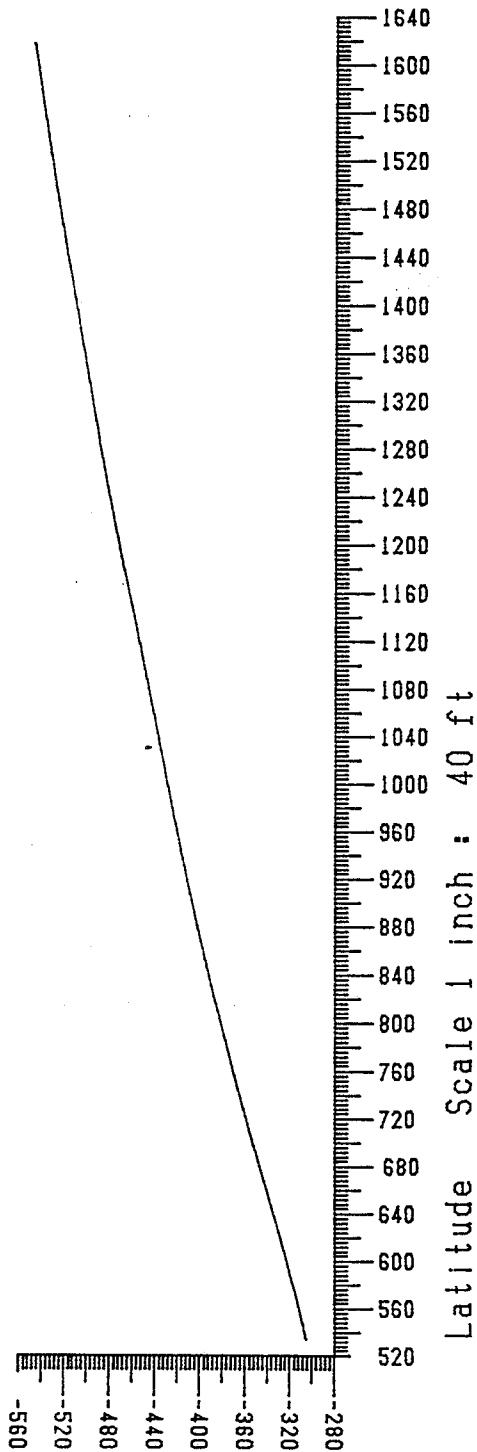
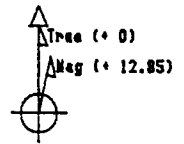
PLANE OF VERT SECTn 343'

Columbia Gas Development Corporation

Bartlett Flat Field
Kane Springs Federal 28-1 Sidetrack

Grand County, Utah

True North



PLANE OF VERT SECTn 343' Departure Scale 1 inch : 40 ft



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

RECEIVED

JUL 15 1992

DIVISION OF
OIL GAS & MINING

CONFIDENTIAL

COLUMBIA GAS DEVELOPMENT CORP.

COMPANY

KANE SPRINGS FEDERAL #28-1

WELL NAME

GRAND COUNTY, UTAH

LOCATION

JOB NUMBER

412-774

TYPE OF SURVEY

Seeker Rate Gyro Multishot

0'-4,200'

Electronic Multishot Survey

4,200'-7,212'

DATE

11-16-91

SURVEY BY
Mr. C. Lake

OFFICE
RM 412 - Vernal, Utah

COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL NO.28-1
slot #1
SEC.28-T26S-R20E
Grand County, Utah

S U R V E Y L I S T I N G

Your ref : RGMS
Our ref : svy212
Other ref :

Date printed : 3-Dec-91
Date created : 3-Dec-91
Last revised : 3-Dec-91

Field is centred on n38 32 0.000,w109 45 0
Structure is centred on n38 32 0.000,w109 45 0

COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL NO.28-1,slot #1
SEC.28-T26S-R20E,Grand County, Utah

SURVEY LISTING Page 1
Your ref : RGMS
Last revised : 3-Dec-91

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	RECTANGULAR DOGLEG COORDINATES Deg/100ft			Vert Sect	
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00	Seeker I Gyro Survey
100.00	0.14	239.77	100.00	0.06 S	0.10 W	0.14	-0.03	Surveyor: Mr. C. Lake
200.00	0.06	249.58	200.00	0.14 S	0.26 W	0.08	-0.06	Date Run: 16-Nov-91
300.00	0.31	339.86	300.00	0.09 N	0.40 W	0.32	0.20	
400.00	0.50	315.89	400.00	0.66 N	0.80 W	0.25	0.86	
500.00	0.62	300.20	499.99	1.25 N	1.57 W	0.19	1.63	
600.00	0.51	281.23	599.99	1.60 N	2.47 W	0.22	2.22	
700.00	0.29	294.13	699.98	1.80 N	3.14 W	0.24	2.59	
800.00	0.51	306.38	799.98	2.16 N	3.73 W	0.23	3.10	
900.00	0.65	283.13	899.98	2.56 N	4.64 W	0.27	3.73	
1000.00	0.50	295.01	999.97	2.87 N	5.59 W	0.19	4.30	
1100.00	0.65	308.76	1099.97	3.41 N	6.43 W	0.20	5.04	
1200.00	0.80	290.55	1199.96	4.01 N	7.52 W	0.27	5.92	
1300.00	0.65	288.83	1299.95	4.44 N	8.71 W	0.15	6.66	
1400.00	0.51	307.70	1399.95	4.89 N	9.60 W	0.24	7.34	
1500.00	0.68	320.00	1499.94	5.62 N	10.34 W	0.21	8.24	
1600.00	0.91	311.24	1599.93	6.60 N	11.32 W	0.26	9.45	
1700.00	0.74	300.90	1699.92	7.45 N	12.47 W	0.22	10.59	
1800.00	0.54	295.34	1799.91	7.98 N	13.45 W	0.21	11.37	
1900.00	0.52	307.50	1899.91	8.46 N	14.23 W	0.11	12.05	
2000.00	0.65	313.20	1999.90	9.13 N	15.00 W	0.14	12.90	
2100.00	0.63	311.18	2099.90	9.88 N	15.83 W	0.03	13.85	
2200.00	0.65	299.07	2199.89	10.52 N	16.74 W	0.14	14.71	
2300.00	0.58	286.01	2299.89	10.93 N	17.72 W	0.16	15.38	
2400.00	0.55	265.52	2399.88	11.03 N	18.69 W	0.20	15.74	
2500.00	0.53	244.68	2499.88	10.80 N	19.59 W	0.20	15.76	
2600.00	0.55	224.74	2599.87	10.26 N	20.34 W	0.19	15.45	
2700.00	0.49	213.90	2699.87	9.56 N	20.92 W	0.11	14.94	
2800.00	0.53	205.56	2799.86	8.79 N	21.36 W	0.08	14.32	
2900.00	0.51	213.51	2899.86	8.00 N	21.80 W	0.07	13.69	
3000.00	0.70	222.12	2999.86	7.18 N	22.46 W	0.21	13.07	
3100.00	0.89	227.85	3099.85	6.20 N	23.44 W	0.20	12.41	
3200.00	1.20	228.02	3199.83	4.98 N	24.80 W	0.31	11.60	
3300.00	1.43	222.09	3299.80	3.36 N	26.41 W	0.27	10.48	
3400.00	1.58	216.13	3399.77	1.32 N	28.06 W	0.22	8.98	
3500.00	1.54	216.61	3499.73	0.87 S	29.68 W	0.04	7.31	
3600.00	1.61	216.73	3599.69	3.08 S	31.32 W	0.07	5.64	
3700.00	1.74	220.14	3699.65	5.36 S	33.14 W	0.16	3.95	
3800.00	1.95	221.41	3799.60	7.80 S	35.24 W	0.21	2.18	
3900.00	2.20	224.43	3899.53	10.45 S	37.71 W	0.27	0.32	
4000.00	2.40	219.75	3999.45	13.43 S	40.39 W	0.27	-1.81	
4100.00	2.80	213.60	4099.35	17.07 S	43.08 W	0.49	-4.58	Final Closure
4200.00	2.78	212.72	4199.23	21.15 S	45.74 W	0.05	-7.76	S 65.18 W, 50.39'

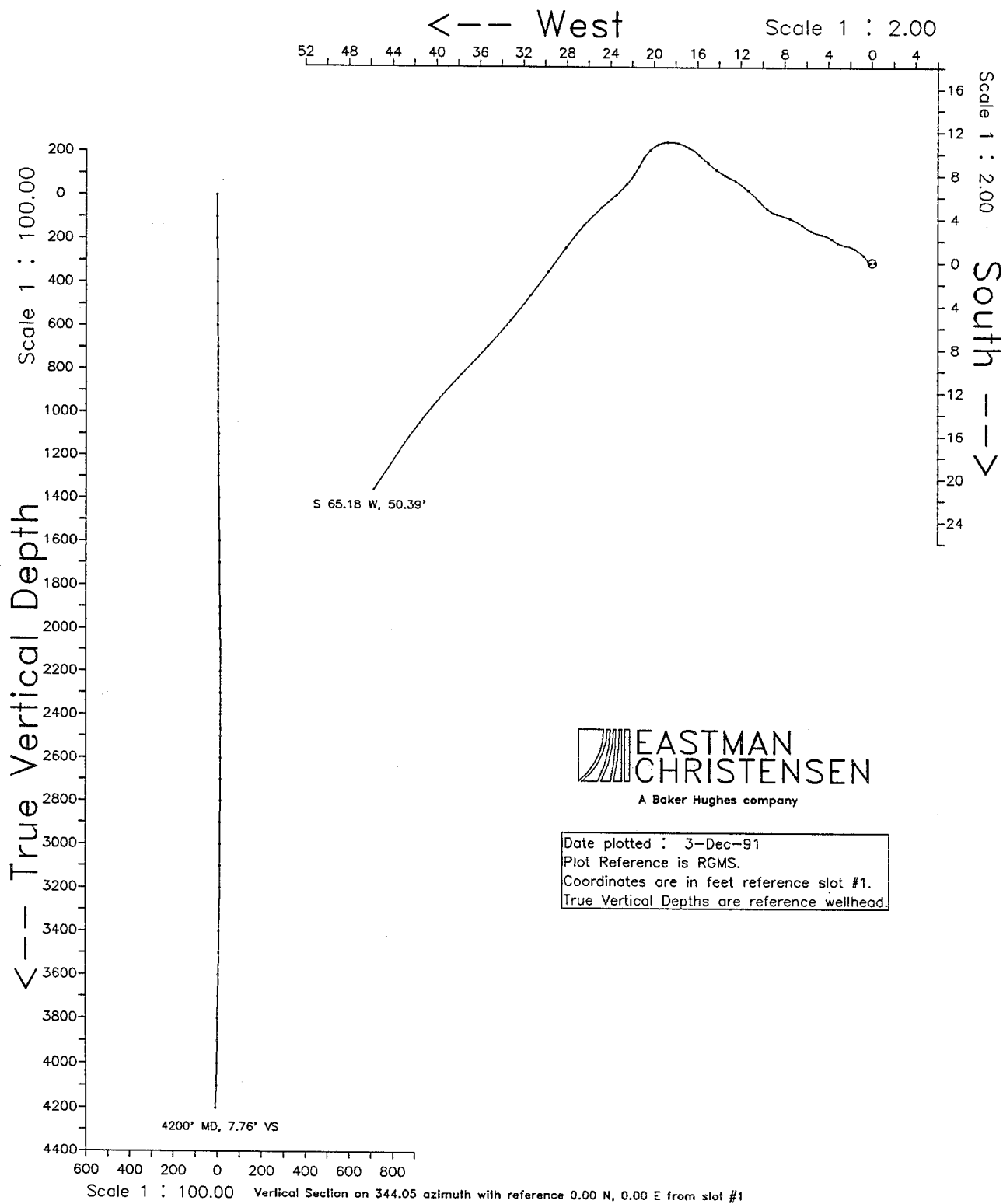
All data is in feet unless otherwise stated
Coordinates are from slot #1 and TVDs are from wellhead.
Vertical section is from wellhead on azimuth 344.05 degrees.
Calculation uses the minimum curvature method.

COLUMBIA GAS DEVELOPMENT CORPORATION

Structure : KANE SPRINGS FEDERAL NO.28-1

Field : SEC.28-T26S-R20E

Location : Grand County, Utah



SURVEY CERTIFICATION SHEET

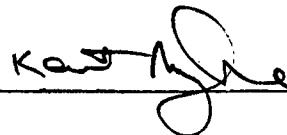
Company Columbia Gas Development Job # 412-774 Date 11-16-91
 Lease Kane Springs Federal Well # 28-1 State Utah
 Surveyed from a depth of 0 feet to a depth of 4,200 feet.
 Type of Survey Seeker Rage Gyro Multishot
 Directional Supervisor/Surveyor Charlie Lake

The data for this survey and the calculations for this survey were obtained and performed by me according to the standards and procedures as set forth by Eastman Christensen Company and are true and correct to the best of my knowledge.


 Directional Supervisor/Surveyor

The data and calculations for this survey have been checked by me and conform to the standards and procedures as set forth by Eastman Christensen Company. This report represents a true and correct Directional Survey of this well based on the original data obtained at the well site:

Checked by:



Original Copy - District Office File
 One copy to Houston Office
 FORM D-1121

COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL NO.28-1
slot #1
SEC.28-T26S-R20E
Grand County, Utah

S U R V E Y L I S T I N G

Your ref : EMS
Our ref : svy211
Other ref :

Date printed : 3-Dec-91
Date created : 3-Dec-91
Last revised : 3-Dec-91

Field is centred on n38 32 0.000,w109 45 0
Structure is centred on n38 32 0.000,w109 45 0

COLUMBIA GAS DEVELOPMENT CORPORATION
KANE SPRINGS FEDERAL NO.28-1,slot #1
SEC.28-T26S-R20E,Grand County, Utah

SURVEY LISTING Page 1
Your ref : EMS
Last revised : 3-Dec-91

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100Ft	Vert Sect	
4200.00	2.78	212.72	4199.20	21.20 S	45.70 W	0.00	-7.82	EMS Survey
4467.00	1.96	212.47	4465.97	30.50 S	51.65 W	0.31	-15.13	Surveyor: Mr. B. Cunningham
4561.00	2.30	202.24	4559.90	33.60 S	53.23 W	0.54	-17.68	Date Run: 28-Nov-91
4747.00	2.51	199.17	4745.74	40.90 S	55.98 W	0.13	-23.95	
4841.00	2.31	196.24	4839.66	44.67 S	57.18 W	0.25	-27.23	
4934.00	2.30	184.93	4932.58	48.32 S	57.87 W	0.49	-30.56	
5028.00	2.43	181.27	5026.50	52.20 S	58.07 W	0.21	-34.23	
5121.00	2.57	184.01	5119.41	56.25 S	58.26 W	0.20	-38.07	
5214.00	3.22	173.77	5212.30	60.92 S	58.13 W	0.89	-42.60	
5308.00	3.41	173.67	5306.14	66.33 S	57.53 W	0.20	-47.96	
5401.00	3.57	178.55	5398.97	71.97 S	57.15 W	0.36	-53.49	
5495.00	3.77	178.55	5492.77	77.98 S	57.00 W	0.21	-59.32	
5588.00	3.84	175.60	5585.57	84.15 S	56.68 W	0.22	-65.33	
5681.00	3.89	176.59	5678.36	90.40 S	56.26 W	0.09	-71.46	
5775.00	4.00	176.64	5772.13	96.86 S	55.88 W	0.12	-77.77	
5868.00	3.88	177.32	5864.91	103.24 S	55.54 W	0.14	-84.00	
5962.00	4.28	181.21	5958.68	109.92 S	55.46 W	0.52	-90.45	
6055.00	4.67	178.49	6051.39	117.18 S	55.44 W	0.48	-97.43	
6148.00	5.12	182.07	6144.05	125.11 S	55.49 W	0.58	-105.04	
6242.00	5.64	187.72	6237.64	133.88 S	56.26 W	0.79	-113.26	
6335.00	6.32	186.83	6330.13	143.49 S	57.48 W	0.74	-122.17	
6429.00	6.43	188.93	6423.55	153.82 S	58.92 W	0.27	-131.71	
6522.00	6.81	189.76	6515.93	164.40 S	60.66 W	0.42	-141.40	
6615.00	7.25	189.87	6608.23	175.62 S	62.60 W	0.47	-151.66	
6709.00	7.50	188.10	6701.45	187.54 S	64.48 W	0.36	-162.60	
6802.00	7.93	190.66	6793.61	199.85 S	66.52 W	0.59	-173.88	
6896.00	8.76	191.38	6886.62	213.24 S	69.13 W	0.89	-186.03	
6989.00	9.14	189.24	6978.48	227.47 S	71.72 W	0.54	-199.01	
7082.00	9.48	191.00	7070.26	242.28 S	74.36 W	0.48	-212.52	
7176.00	9.64	190.21	7162.95	257.62 S	77.24 W	0.22	-226.48	Final Closure
7212.00	9.59	191.21	7198.45	263.53 S	78.35 W	0.48	-231.86	S 16.56 W, 274.93'

All data is in feet unless otherwise stated
Coordinates are from slot #1 and TVDs are from wellhead.
Vertical section is from wellhead on azimuth 344.05 degrees.
Calculation uses the minimum curvature method.

COLUMBIA GAS DEVELOPMENT CORPORATION

Structure : KANE SPRINGS FEDERAL NO.28-1

Field : SEC.28-T26S-R20E

Location : Grand County, Utah

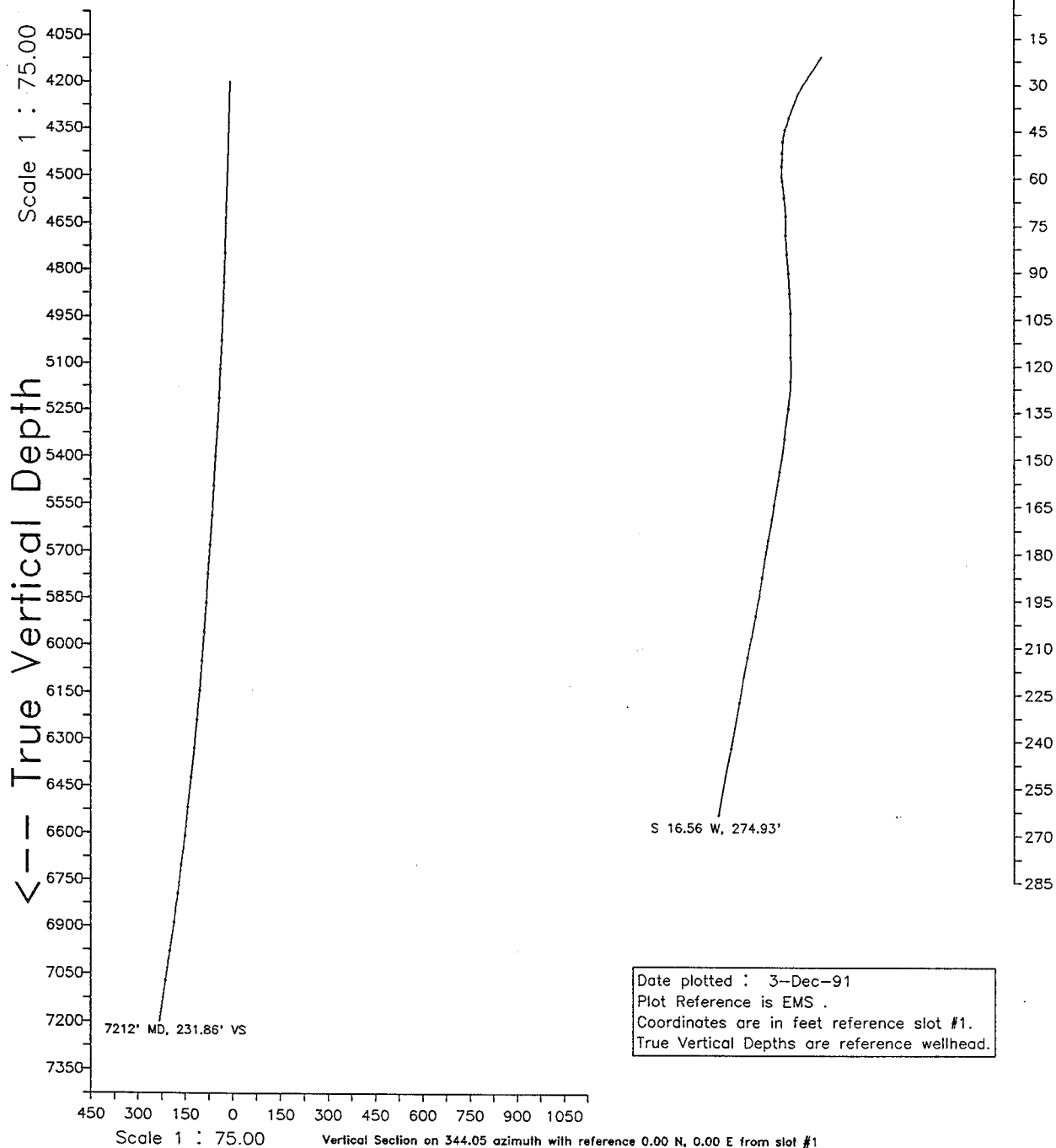


<-- West

120 105 90 75 60 45 30 15 0 15

Scale 1 : 7.50

South -->




Date plotted : 3-Dec-91
Plot Reference is EMS .
Coordinates are in feet reference slot #1.
True Vertical Depths are reference wellhead.

SURVEY CERTIFICATION SHEET

Company Columbia Gas Development Job # 412-774 Date 11-28-91
Lease Kane Springs Federal Well # 28-1 State Utah
Surveyed from a depth of 4,200 feet to a depth of 7,218 feet.
Type of Survey Electronic Magnetic Multishot
Directional Supervisor/Surveyor Burt Cunningham


The data for this survey and the calculations for this survey were obtained and performed by me according to the standards and procedures as set forth by Eastman Christensen Company and are true and correct to the best of my knowledge.



Directional Supervisor/Surveyor

The data and calculations for this survey have been checked by me and conform to the standards and procedures as set forth by Eastman Christensen Company. This report represents a true and correct Directional Survey of this well based on the original data obtained at the well site:

Checked by:



Original Copy - District Office File
One copy to Houston Office
FORM D-1121



September 9, 1992

RECEIVED

SEP 11 1992

DIVISION OF
OIL GAS & MINING

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Reference: Columbia Gas Development Corporation
Kane Springs #28-1 ST
Sec.28-T25S-R19E
Grand County, Utah

Gentlemen:

Please find enclosed Columbia's Activity Report for the pit restoration on the above referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script, reading 'Wendy G. DesOrmeaux'.

Wendy G. DesOrmeaux
Regulatory Coordinator

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
SFC:50678 BHL:U-48351

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
Kane Springs Federal

8. Well Name and No.

Kane Springs Fed. 28-1

9. API Well No.

43-019-31325

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Grand County, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Columbia Gas Development Corporation

3. Address and Telephone No.

P. O. Box 1350, Houston, Texas 77251-1350 713/871-3400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2800' FSL & 1918' FEL; Sec. 28-T25S-R19E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Pit Closure

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See Attached for Pit Restoration procedure.

ACCEPTED BY THE STATE
OF UTAH
DIVISION OF
OIL, GAS, AND MINING
DATE: 9-2-92
BY: [Signature]

RECEIVED

SEP 11 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Wendy Desormeaux

Title Regulatory Coordinator

Date 9/9/92

(This space for Federal or State office use)

Approved by _____

Conditions of approval, if any: _____

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

KANE SPRINGS FEDERAL 28-1ST

PIT RESTORATION ACTIVITY

- 8/31 Removed approximately 2 feet of clean surface material and stockpiled on south end of pit.
- 9/1/92 Excavated unmixed material to original bottom of approximately half of the original pit area. Hauled in 225 tons Bentonite. Mixed approximately 50 tons of Bentonite with excavated material.
- 9/2/92 Covered area with 3-12" cap of clean soil/bentonite mix from edge of location to approximately 20' east of reserve pit. Spread stockpiled soil 8-10" thick over pit area.
- 9/8/92 Covered pit with 2-3' of clean topsoil.

RECEIVED

SEP 11 1992

DIVISION OF
OIL GAS & MINING



September 15, 1992

Bureau of Land Management
Attn: Dale Manchester
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

**Reference: Columbia Gas Development Corporation
Kane Springs #28-1
Sec.28-T25S-R19E
Grand County, Utah**

Gentlemen:

Please find enclosed a Sundry Notice with an attached post-closure pit analysis for the above-referenced well.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script that reads 'Wendy G. DesOrmeaux'.

Wendy G. DesOrmeaux
Regulatory Coordinator

RECEIVED

SEP 17 1992

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
SFC:50678 BHL:U-48351

6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Columbia Gas Development Corporation

3. Address and Telephone No.
P.O. Box 1350, Houston, TX 77251-1350 713/871-3400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1900' FSL & 1900' FEL; Sec.28-T25S-R19E

7. If Unit or CA, Agreement Designation
Kane Springs Federal U

8. Well Name and No.
Kane Springs Fed. 28-1

9. API Well No.
43-019-31325

10. Field and Pool, or Exploratory Area
Wildcat

11. County or Parish, State
Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Post Closure Pit Analysis

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the Post-Closure Pit Analysis for the above-referenced location.

RECEIVED

SEP 17 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Wendy L. DesBorneaux

Title Regulatory Coordinator

Date 9/15/92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

SASI

Soil Analytical Services, Inc.

Company : Columbia Oil & Gas
Submitted by : Richard Spell
Sample : Post-Closure sample
Location : CGDC Kane Springs, Fed. 28-1
Received : 08/10/92
Reference # : 10081023
Report Date : 08/31/92

Report Date : 08/31/92				Louisiana Regulatory Threshold		
Parameter	Fed. 28-1	Fed. 28-1, duplicate	Tech	Date	Time	
Moisture, %	10.3	10.3	KM	08/11	10:20	--
SP Moisture, %	30.9	32.1	KM	08/17	16:00	--
pH	11.5	11.4	LP	08/13	15:15	6.0-9.0
SP EC, mmhos/cm	158.7	154.9	LP	08/13	16:30	4.0
Chlorides, ppm	15,088	15,088	KM	08/19	16:20	--
Soluble Cations, meq/l						
Sodium	363.2	356.8	KM	08/20	15:15	--
Calcium	117.0	107.0	KM	08/21	08:40	--
Magnesium	<0.1	<0.1	KM	08/21	09:30	--
SAR	47.5	48.8	-----Calculation-----			12.0
CEC, meq/100g	3.4	3.4	KM	08/20	15:15	--
Exchangeable Cations, meq/100g						
Sodium	2.7	2.8	KM	08/20	15:15	--
Calcium	49.3	50.1	KM	08/21	08:40	--
Magnesium	3.3	3.5	KM	08/21	09:30	--
ESP, %	78.8	80.5	-----Calculation-----			15.0
Total Metals, ppm						
Arsenic	4.2	4.3	AJA	08/24	10:15	10
Barium	10,670	10,440	KM	08/21	11:30	40,000
True Total Ba	148,374	152,542	KM	08/21	11:30	40,000
Cadmium	<0.5	<0.5	KM	08/20	11:30	10
Chromium	5.0	5.0	KM	08/20	10:05	500
Lead	16.0	10.0	KM	08/20	10:45	500
Mercury	<0.5	<0.5	AJA	08/24	09:15	10
Selenium	<1.0	<1.0	AJA	08/24	09:45	10
Silver	<1.0	<1.0	KM	08/20	13:25	200
Zinc	88.0	81.0	KM	08/20	12:25	500
Oil & Grease, %	3.0	3.0	SS	08/16	16:30	1.0
TOC, %	2.6	2.3	SS	08/18	23:30	--

*Analysis methods are from Laboratory Procedures for Analysis of Oilfield Waste, Louisiana DNR, August, 1988

Rita Vaughn
Rita Vaughn
Manager, Inorganic Laboratory

415 Graham Rd.
College Station, TX 77845
(409) 690-2280
Fax: (409) 690-0261

RECEIVED

SEP 17 1992

DIVISION OF
OIL GAS & MINING

COLUMBIA GAS
Development



February 12, 1993

State of Utah
Department of Natural Resources
Oil, Gas & Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. Don Staley

Reference: Gov't. Evelyn Chambers #1 & #2
San Juan County, Utah

Kane Springs #28-1
Grand County, Utah

Dear Sir:

Enclosed please find the "Annual Status Reports" for the above referenced wells.

If you have any questions, or require any additional information, please contact me at 713/871-3377.

Sincerely,

A handwritten signature in cursive script that reads "Sonja G. Martin".

Sonja G. Martin
Engineering Technician

enclosures

cc: Wendy DesOrmeaux
Columbia Gas Development Corporation

RECEIVED

FEB 16 1993

DIVISION OF
OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

UTU67755X

7. Indian Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT— for such proposals

8. Unit or Communitization Agreement

1. Type of Well

☒ Oil Well
 ☐ Gas Well
 ☐ Other (specify)

2. Name of Operator

Columbia Gas Development Corporation

3. Address of Operator

P.O. Box 1350, Houston, Texas 77251-1350

4. Telephone Number

713/871-3377

9. Well Name and Number

Kane Springs #28-1 -

10. API Well Number

4301931325

11. Field and Pool, or Wildcat

Wildcat

5. Location of Well

Footage : 1900' FSL & 1900' FEL

County : Grand

QQ, Sec. T., R., M. : Sec. 28, T-25S, R-19E

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other _____ | Annual Status Report |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Temporarily abandoned, re-evaluating for stimulation/re-completion/
plug & abandonment

RECEIVED

FEB 16 1993

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature _____

Title Engineering Tech. Date 2/12/93

(State Use Only)

COLUMBIA GAS

Development



February 16, 1993

Bureau of Land Management
Attn: Eric Jones
82 E. Dogwood
Moab, UT 84532

State of Utah
Attn: R. J. Firth
355 W. N. Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Reference: Columbia Gas Development Corporation
Kane Springs Federal #28-1ST
Sec.28-T25S-R19E
Grand County, Utah

Gentlemen:

Please find attached a Sundry Notice requesting extension of the Temporarily Abandoned status on the above-referenced well, along with a memo detailing specific plans.

Should you have any questions or require additional information, please contact me at 713/871-3400.

Very truly yours,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script that reads "Wendy G. DesOrmeaux".

Wendy G. DesOrmeaux
Regulatory Coordinator

RECEIVED

FEB 18 1993

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

SFC: 50678 U: 48351

6. If Indian, Allottee or Tribe Name

N/A

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Columbia Gas Development Corporation

3. Address and Telephone No.

P. O. Box 1350, Houston, Texas 77251-1350 (713) 871-3400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1900' FSL & 1900' FEL of Sec. 28-T25S-R19E

7. If Unit or CA, Agreement Designation

Kane Springs Federal Unit

8. Well Name and No.

Kane Springs Fed. 28-1ST

9. API Well No.

43-019-31325

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Extension of TA Status
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Columbia Gas Development Corporation respectfully requests a 12 month extension to the Temporarily Abandoned status of the Kane Springs Federal 28-1ST. (Current term expires 5/18/93.)

See attached memo for specific plans.

RECEIVED

FEB 18 1993

**DIVISION OF
OIL GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Signed Wendy N. DeCormeaux

Title Regulatory Coordinator

Date 2/16/93

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any: _____

Columbia Gas Development Corporation
Western U.S. AMT

M E M O R A N D U M

TO: Wendy DesOrmeaux

DATE: February 9, 1993

FROM: Mike Mendenhall

SUBJECT: Kane Springs Federal #28-1 Well
Kane Springs Unit
Grand County, Utah

Your memo of February 2, 1993, to Rich Newhart indicated that the request for extension of the temporary abandonment status on the Kane Springs Federal #28-1 well would require a drilling program/plans for such well.

Please be advised that Columbia Gas and its partners are planning to commence operations for the drilling of the Kane Springs Federal #25-9-34-1 well by April 1, 1993. It is estimated that the well will be completed by July 1, 1993. We plan to monitor the production on this well and the Kane Springs Federal #27-1 well for four (4) to six (6) months to determine if there is any communication between the wells. If the #27-1 and #34-1 wells interfere with each other and there is a significant drop in reservoir pressure and production rate, the plans to re-enter the #28-1 well will be canceled. Assuming there is little or no communication between the #27-1 and #34-1 wells, we would re-enter the #28-1 well in November or December, 1993 or the first quarter of 1994.



Mike Mendenhall

/ps

CONFIDENTIAL

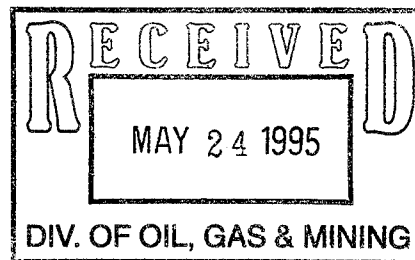
COLUMBIA GAS
Development



43-019-31325

May 23, 1995

State of Utah
Department of Natural Resources
Oil, Gas & Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203



Attention: Mr. Jack Johnson

Reference: Gov't. Evelyn Chambers #1 & #2
San Juan County, Utah

Kane Springs #28-1 & Kane Springs #20-1
Grand County, Utah

Dear Sir:

Enclosed please find the "Annual Status Reports" for the above referenced wells.

If you have any questions, or require any additional information, please contact me at 713/871-3377.

Sincerely,

A handwritten signature in cursive script that reads "Sonja G. Rolfes".

Sonja G. Rolfes
Engineering Technician

enclosures

cc: Wendy DesOrmeaux
Columbia Gas Development Corporation

Eric Jones
BLM, Moab Office

DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator: Columbia Gas Development Corporation

3. Address and Telephone Number: P.O. Box 1350, Houston, Texas 77251-1350

4. Location of Well

Footages: 1900' FSL & 1900' FEL

QQ, Sec., T., R., M.: Sec. 28, T-25S, R-19E

5. Lease Designation and Serial Number:

UTU67755X

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Kane Springs #28-1

9. API Well Number:

4301931325

10. Field and Pool, or Wildcat:

Wildcat

County: Grand

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- ☐ Abandonment ☐ New Construction
☐ Casing Repair ☐ Pull or Alter Casing
☐ Change of Plans ☐ Recompletion
☐ Conversion to Injection ☐ Shoot or Acidize
☐ Fracture Treat ☐ Vent or Flare
☐ Multiple Completion ☐ Water Shut-Off
☐ Other _____

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- ☐ Abandonment ☐ New Construction
☐ Casing Repair ☐ Pull or Alter Casing
☐ Change of Plans ☐ Shoot or Acidize
☐ Conversion to Injection ☐ Vent or Flare
☐ Fracture Treat ☐ Water Shut-Off
☒ Other Annual Status Report

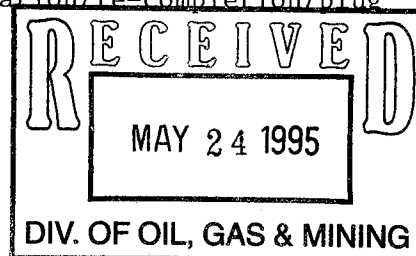
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Temporarily abandoned, re-evaluating for stimulation/re-completion/plug
and abandonment.



13.

Name & Signature: Sonja G. Rolfes Sonja G. Rolfes Title: Engineering Technician Date: 05/23/95

(This space for State use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 1 of 2

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

SONJA ROLFES
 COLUMBIA GAS DEVELOPMENT
 PO BOX 1350
 HOUSTON TX 77251

UTAH ACCOUNT NUMBER: N5035

REPORT PERIOD (MONTH/YEAR): 6 / 96

AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ GOVT EVELYN CHAMBERS #1								
4303730572	07100	31S 24E 6	ISMY			- 1126467		
✓ GOVT EVELYN CHAMBERS #2								
4303730612	07100	31S 24E 5	ISMY			- 1126467		
✓ FEDERAL 33-8-N								
4304731787	10760	06S 21E 33	GRRV			- 1137116		
✓ COWDEN 31-3-C								
4304731768	10761	06S 21E 31	GRRV			- 1131736		
✓ ALTA #5-1-B								
4304731776	10771	07S 21E 5	GRRV			- FEE	(Bond OK)	
✓ FEDERAL 33-6-F			SE NW					
4304731769	10779	06S 21E 33	GRRV			- 1128212		
✓ ERAL 33-3-J			NW SE					
4304731804	10787	06S 21E 33	GRRV			- 1128212		
✓ FEDERAL 33-7-L			NW SW					
4304731844	10915	06S 21E 33	GRRV			- 1150687	C.A. 11260783	
✓ ALTA 5-2-C								
4304731843	10916	07S 21E 5	GRRV			- FEE	(Bond OK)	
KANE SPRINGS FEDERAL 27-1								
4301931310	11180	25S 19E 27	CNCR			- 1165971	Kane Springs Unit	
KANE SPRINGS FEDERAL 19-1A								
4301931324	11353	26S 20E 19	CNCR			- 1121153626	Kane Springs Unit	
KANE SPRINGS FEDERAL 28-1								
4301931325	11354	25S 19E 28	CNCR			- 1150678	SW 1/4 Kane Springs Unit / Non LA	
✓ KANE SPRINGS FEDERAL 10-1								
4301931331	11414	25S 18E 10	CNCR			- 1121147858	Kane Springs Unit	
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

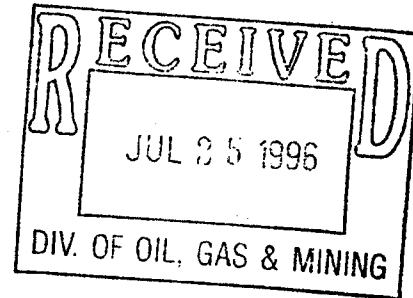
Telephone Number: _____



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



IN REPLY REFER TO
3100
U-968 et al
(UT-932)

JUL 23 1996

NOTICE

Aviara Energy Corporation
P.O. Box 1350
Houston, Texas 77251-1350

: Oil and Gas
: U-968 et al
:

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Columbia Gas Development Corporation to Aviara Energy Corporation on Federal oil and gas leases.

For our purposes, the name change is recognized effective May 1, 1996 (Secretary of State's approval date).

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator is required by our Field Offices, you will be contacted by them.

Due to the name change, the name of the principal on the bond is required to be changed from Columbia Gas Development Corporation to Aviara Energy Corporation on Bond No. U-391050-16RR (BLM No. CO0356). A rider effecting this change has been submitted to the Colorado State Office of the BLM, which holds this nationwide bond.

ROBERT LOPEZ

Group Leader,
Minerals Adjudication Group

Enclosure

Exhibit (1 p.)

bc: Lisha Cordova, State of Utah, Division of Oil, Gas and Mining, P.O. Box 145801, Salt Lake City, Utah 84114-5801
MMS-Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217
Moab District Office
Vernal District Office
Teresa Thompson (UT-931)
Irene Anderson (UT-932)

Exhibit of Leases

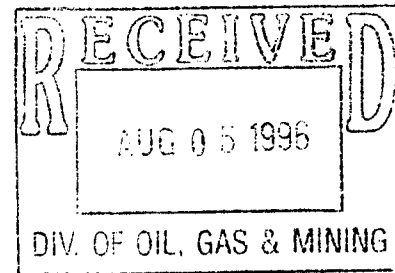
U-968	U-52277	UTU-65329
U-6911	U-52641	UTU-65795
U-15051	U-53624	UTU-65971
U-26467	U-53626	UTU-65972
U-28212	U-54037	UTU-65973
U-31736	U-55510	UTU-66020
U-34023	U-58517	UTU-66025
U-37116	U-60530	UTU-66849
U-46693	U-61182	UTU-67132
U-46697	U-61588	UTU-67552
U-47858	U-62181	UTU-67558
U-49964	U-62679	UTU-67854
U-50393	U-62832	UTU-68116
U-50678	U-62833	UTU-68117
U-50683	U-62906	UTU-68118
U-50687	U-63127	UTU-68122
U-51239	U-63128	UTU-68232
U-51636	UTU-64538	UTU-68342
U-51826	UTU-64927	UTU-69029
U-60780 (CA)	U-60783 (CA)	UTU-73405
UTU-67755X (Kane Springs Unit)		

**Aviara Energy
Corporation**

VIA AIRBORNE EXPRESS

2 August 1996

State of Utah - Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114



Re: Notification of Name Change from "Columbia Gas Development Corporation" to "Aviara Energy Corporation".

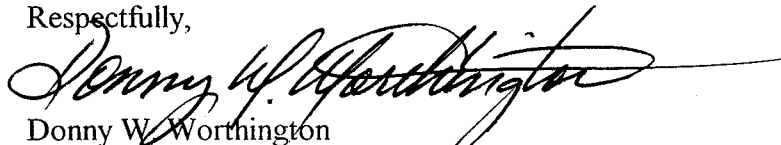
Dear Sirs;

Attached please find documents relating to our company name change from "Columbia Gas Development Corporation" to "Aviara Energy Corporation". I have attached our surety bond rider showing the name change of the principal as well as documents relating to the Corporate name change. These Corporate name change documents contain a Certificate of Corporate Resolution, a Certificate of Amendment of Certificate of Incorporation by the Secretary of State of the State of Delaware evidencing a change of name effective April 30, 1996 from "Columbia Gas Development Corporation" to "Aviara Energy Corporation" and an amended Certificate of Incumbency in accordance with the regulations concerning qualifications of corporations holding Federal leases. I have also attached a list of wells and their locations that will be affected by the name change.

We hereby formally request your acceptance of this rider, and thus, our name change. Please sign the rider and return the appropriate copies to Aviara Energy Corporation (attn: Mr. Dean Roy). Also, please have your office make the necessary changes in your records to reflect this name change at this time.

Should you have questions or require additional information, please feel free to call me at (713) 871-3631. Thank you.

Respectfully,


Donny W. Worthington
Manager, Environmental, Safety & Regulatory

DWW/
attachments:

UTAH

GRAND COUNTY

KANE SPRINGS FIELD

LOCATION

Kane Springs Federal #10-1	10-25S-18E
Kane Springs Federal Unit #16-1	16-25S-18E
Kane Springs Federal #19-1A	19-26S-20E
Kane Springs Federal #27-1	27-25S-19E
Kane Springs Federal #34-1	34-25S-19E
<i>Kane Springs Fed. 28-1</i>	<i>28-25S-19E</i>
<i>Kane Springs Fed. 20-1</i>	<i>20-26S-19E</i>

SAN JUAN COUNTY

LISBON FIELD

Government Evelyn Chambers #1 (T&Ad)
Government Evelyn Chambers #2 (T&Ad)

UINTAH COUNTY

HORSESHOE BEND FIELD

WELL

LOCATION

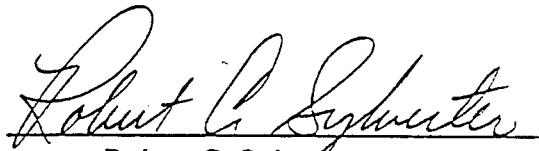
Alta 5-1-B	5-7S-21E
Alta 5-2-C	5-7S-21E
Cowden 31-3-C	31-6S-21E
Federal 33-3-J	33-6S-21E
Federal 33-6-F	33-6S-21E
Federal 33-7-L	33-6S-21E
Federal 33-8-N	33-6S-21E

CERTIFICATE

I, Robert C. Sylvester, Assistant Secretary of Aviara Energy Corporation, a corporation organized and existing under the laws of the State of Delaware, do hereby certify that the attached document titled Certificate of Amendment of Certificate of Incorporation is a true and correct copy of the Certificate of Amendment of Certificate of Incorporation filed in the Secretary of State of the State of Delaware's office on April 30, 1996.

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of said Corporation this

5th day of July, 1996.

A handwritten signature in cursive script, reading "Robert C. Sylvester", written over a horizontal line.

Robert C. Sylvester
Assistant Secretary

CORPORATE SEAL

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COLUMBIA GAS DEVELOPMENT CORPORATION", CHANGING ITS NAME FROM "COLUMBIA GAS DEVELOPMENT CORPORATION" TO "AVIARA ENERGY CORPORATION", FILED IN THIS OFFICE ON THE THIRTIETH DAY OF APRIL, A.D. 1996, AT 1:15 O'CLOCK P.M.



A handwritten signature in cursive script, reading "Edward J. Freel", is written over a horizontal line.

Edward J. Freel, Secretary of State

AUTHENTICATION:

DATE:

0735923 8100

960125685

7928485

05-01-96

DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 01:15 PM 04/30/1996
960124621 - 735923

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
COLUMBIA GAS DEVELOPMENT CORPORATION

Columbia Gas Development Corporation (the "Corporation"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

FIRST: That the Certificate of Incorporation of Columbia Gas Development Corporation is amended by amending Article First thereof to read in its entirety as follows:

"FIRST: The name of the corporation (hereinafter called "the Corporation") is Aviaara Energy Corporation."

SECOND: That said amendment was duly adopted in accordance with the provisions of §242 of the General Corporation Law of the State of Delaware and has been consented to in writing by the sole stockholder in accordance with §228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said Columbia Gas Development Corporation has caused this Certificate to be signed by Larry J. Bainter, its Treasurer this 29th day of April 1996.

Vice President
[Signature]

COLUMBIA GAS DEVELOPMENT CORPORATION

By: *[Signature]*
Name: Larry J. Bainter
~~Secretary~~

CERTIFICATE

The undersigned hereby certifies that he is Assistant Secretary of Aviara Energy Corporation, a Delaware corporation (the "Corporation"), that on the 19th day of June, 1996 by Unanimous Consent of the Board of Directors of the Corporation in Lieu of Special Meeting, pursuant to Section 141(f) of the Delaware Corporation Law, the following resolutions were adopted, with the same force and effect as though adopted at a Special Meeting of the Board of Directors of the Corporation duly called and held, that such resolutions are now in full force and effect, and that said resolutions have not been amended or rescinded:

RESOLVED, that, the Chairman and Chief Executive Officer, the President and Chief Operating Officer, the Vice Presidents and the Secretary of the Corporation, be and each of them is hereby authorized and empowered, without the joinder of any other officer of the Corporation, to execute for and on behalf of the Corporation, any and all bids for leases from the United States of America, through the Minerals Management Service (Department of Interior), of any tract or tracts owned by the United States of America, located in either onshore or offshore areas, including tracts in the Outer Continental Shelf, as may at any time, and from time to time, heretofore have been offered or hereafter may be offered for lease by the United States of America, all on such terms and conditions as may be specified in any such offer to lease and on such terms and conditions and for such consideration as the aforementioned officers of the corporation, or any one of them, may deem proper and advisable; and to further execute on behalf of the Corporation all agreements and other instruments (including, without limitation, applications, bids, leases, bonds, assignments, relinquishments, prospecting permits, division and transfer orders, guarantees, indemnities, designations of operator, unitization agreements, operating agreements, liquids commingling agreements, general correspondence and any other documents) which may be necessary, useful or expedient at any time in carrying on the business of the Corporation involving any such lease or asset with the United States of America or any agency, bureau or department thereof; and

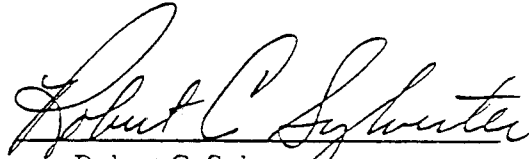
RESOLVED, that, any of such officers is further authorized and empowered to sell, assign, transfer, convey and deliver, in the name and on behalf of the Corporation any or all right, title and interest of any character in any lease or asset now owned or hereafter acquired by the Corporation covering any tract or tracts owned by the United States of America, or obtained or used in connection therewith, wherever located, for such prices and upon such terms and conditions as shall be approved by the Board of Directors; and

RESOLVED, that, the Chairman and Chief Executive Officer, the President and Chief Operating Officer, the Vice Presidents and the Secretary of the Corporation, be, and each of them is, hereby authorized and empowered, without the joinder of any other officer of the Corporation, to execute for and on behalf of the Corporation, any and all agreements and other instruments (including without limitation assignments of mining leases, prospecting permits, letter agreements,

consent forms, applications and approval letters) with the Tribe(s) of the Fort Peck Reservation and the Three Affiliated Tribes of the Fort Berthold Indian Reservation or any agency, bureau or department thereof, or any agency, bureau or department of the United States of America concerning same on such terms and conditions as may be specified and for such consideration as he may deem proper and advisable which may be necessary, useful or expedient at any time in carrying on the business of the Corporation upon the aforementioned Reservations; and

RESOLVED, that, the foregoing resolutions be deemed, and are effective, for all purposes as of April 30, 1996.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed the seal of the Corporation this 5th day of July, 1996.



Robert C. Sylvester
Assistant Secretary

CORPORATE SEAL

STATE OF TEXAS §
 §
COUNTY OF HARRIS §

STATEMENT OF AVIARA ENERGY CORPORATION

The undersigned, Robert C. Sylvester, Assistant Secretary of Aviara Energy Corporation, being first duly sworn on his oath, states that the following is correct to the best of his knowledge.

1. State of Incorporation. Aviara Energy Corporation is incorporated in the State of Delaware.
2. Authorization to hold oil and gas leases on OCS and other federal lands. Aviara Energy Corporation is authorized to hold oil and gas leases on the Outer Continental Shelf, on other federal lands, including onshore lands, and on tribal lands administered by the Bureau of Indian Affairs or other agency.

Dated this 5th day of July, 1996.

AVIARA ENERGY CORPORATION

By Robert C. Sylvester
Robert C. Sylvester
Assistant Secretary

CORPORATE SEAL

SUBSCRIBED AND SWORN TO before me this 5th day of July, 1996.

Carolyn Oliver
Notary Public, State of Texas



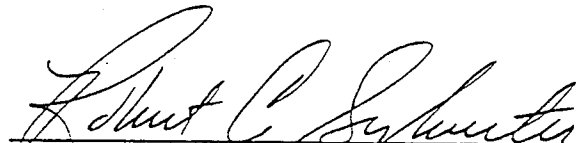
CAROLYN OLIVER
NOTARY PUBLIC, STATE OF TEX.
MY COMMISSION EXPIRES
JULY 19, 1997

CERTIFICATE OF INCUMBENCY

I, Robert C. Sylvester, Assistant Secretary of Aviara Energy Corporation, a Delaware corporation (the "Company"), do hereby certify that the following named persons now are, and at all times on and subsequent to April 30, 1996, have been duly elected or appointed, qualified and acting officers of the Company holding the offices set after their respective names as follows:

Tracy W. Krohn	Chairman and Chief Executive Officer
James L. Parker	President and Chief Operating Officer
David M. McCubbin	Vice President
Gary J. Mabie	Vice President
Ken Fagan	Vice President
Robert C. Sylvester	Treasurer and Assistant Secretary
Ivan Irwin, Jr.	Secretary
Jere F. Freel	Assistant Secretary

IN WITNESS WHEREOF, I have executed this Certificate and affixed the seal of the Company this 3rd day of July, 1996.


Robert C. Sylvester, Assistant Secretary

CORPORATE SEAL

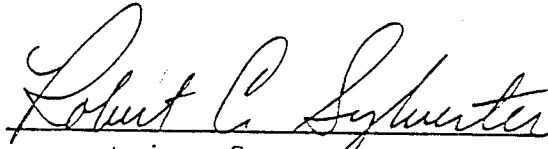
CERTIFICATE

I, Robert C. Sylvester, on behalf of Aviara Energy Corporation, (hereinafter called the "Company"), hereby certify that I am an Assistant Secretary of the Company and that:

The following officers and employees are authorized to execute leases, bids for leases, offers to lease, subleases, permits, licenses, applications therefor, assignments thereof, and requests for approval thereof, and other similar documents and to act on behalf of the Company in such matters.

<u>Name</u>	<u>Office/Title</u>
Tracy W. Krohn	Chairman and Chief Executive Officer
James L. Parker	President and Chief Operating Officer
Gary J. Mabie	Vice President
David M. McCubbin	Vice President
Ken Fagan	Vice President
Ivan Irwin, Jr.	Secretary

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal of the Company
this 5th day of July, 1996.


Assistant Secretary

CORPORATE SEAL

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

Routing		
1-MEC	6-LTC	
2-GTH/EYL	7-KDR	
3-DPS	8-SJ	
4-VLD	9-FILE	
5-RJF		

☒ Change of Operator (~~well sold~~) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name ~~Change Only~~

The operator of the well(s) listed below has changed, effective: 5-1-96

TO: (new operator) AVIARA ENERGY CORPORATION
(address) PO BOX 1350
HOUSTON TX 77251

Phone: (713)871-3400

Account no. N5500 (8-6-96)

FROM: (old operator) COLUMBIA GAS DEVELOPMENT
(address) PO BOX 1350
HOUSTON TX 77251

Phone: (713)871-3400

Account no. N5035

WELL(S) attach additional page if needed:

***KANE SPRINGS UNIT**
C.A. UTU60783

Name: **SEE ATTACHED**	API: <u>43019-31325</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form).
- See 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Reg. 7-25-96) (Leid 8-5-96)
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) ____ If yes, show company file number: 02-081180 (11-5-8-96)
- See 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. (8-6-96)
- See 6. Cardex file has been updated for each well listed above. (8-6-96)
- See 7. Well file labels have been updated for each well listed above. (8-6-96)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (8-6-96)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- LC 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- LC 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond. *Trust Lands/Red Bond Rider "Columbia to Avicore"*
**Red "Rider" 8-5-96; bond no. chgd to 42741451*
80,000 Avicore Energy Corporation, United Pacific Ins.
- ____ 2. A copy of this form has been placed in the new and former operator's bond files. ** Upon Compl. of routing.*
- N/A 3. The FORMER operator has requested a release of liability from their bond (yes/no) _____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- ____ 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.

FILMING

- LC 1. All attachments to this form have been microfilmed. Today's date: August 21, 1996

FILING

- ____ 1. Copies of all attachments to this form have been filed in each well file.
- ____ 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

760725 BLM/SL Apv. 5-1-96.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

UTU67755X

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Kane Springs #28-1

9. API Well Number:

43 019 31325

10. Field and Pool, or Wildcat:

Wildcat

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Aviara Energy Corporation

3. Address and Telephone Number:

P. O. Box 1350, Houston, TX 77251-1350 (713) 871-3400

4. Location of Well

Footages: 1900' FSL & 1900' FEL

QQ, Sec., T., R., M.: NWSE, Sec. 28, T25S, R19E

County: Grand

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Annual Status Report 1996 | |

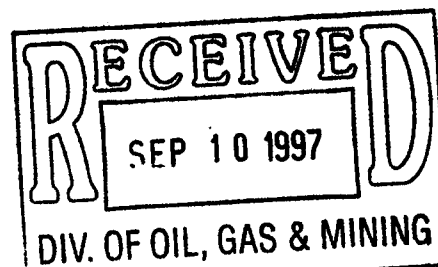
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Temporarily abandoned. Re-evaluating for stimulation/recompletion/plug & abandonment.



13.

Name & Signature: Victoria Guidry

Title: Prod/Regulatory Coord.

Date: 9-9-97

(This space for State use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

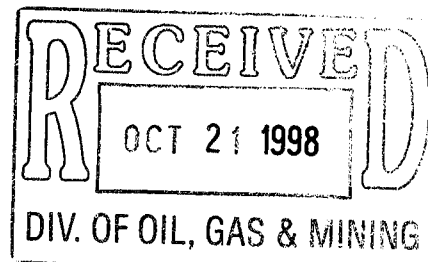
1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: _____		5. Lease Designation and Serial Number: UTU67755X
2. Name of Operator: Aviara Energy Corporation		6. If Indian, Allottee or Tribe Name: _____
3. Address and Telephone Number: P. O. Box 1350, Houston, TX 77251-1350 (713) 871-3400		7. Unit Agreement Name: _____
4. Location of Well Footages: 1900' FSL & 1900' FEL QQ, Sec., T., R., M.: NWSE, Sec. 28, T25S, R19E		8. Well Name and Number: Kane Springs #28-1
		9. API Well Number: 43 019 31325
		10. Field and Pool, or Wildcat: Wildcat
		County: Grand State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input checked="" type="checkbox"/> Other Annual Status Report 1997
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____ Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Temporarily abandoned. Re-evaluating for stimulation/recompletion/plug & abandonment.



13. Name & Signature: Victoria Guidry *Victoria Guidry* Title: Prod/Regulatory Coord. Date: 10-13-98

(This space for State use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator

Aviara Energy Corporation

3. Address and Telephone Number.

P.O. Box 1350, Houston TX 77251-1350

713-871-3400

4. Location of Well

Footages: **1900' FSL & 1900' FEL**

QQ, Sec., T., R., M.: **NWSE, Sec. 28, T25S, R19E**

5. Lease Designation and Serial Number

UTU67755X

6. Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

Kane Springs Federal Unit

8. Well Name and Number:

Kane Springs Fed.#28-1

9. API Well Number:

43 019 31325

10. Field and Pool, or Wildcat

Wildcat

County: **Grand**

State: **Utah**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon* | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Extension of T&A Status--Annual 1998 | |

Date of work completion _____

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Temporarily abandoned. Re-evaluating for stimulation/recompletion/plug & abandonment.

13.

Name & Signature

Victoria Guidry

Title

Victoria Guidry

Production/Regulatory Coordinator

Date

03/22/99

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: **3-25-99**

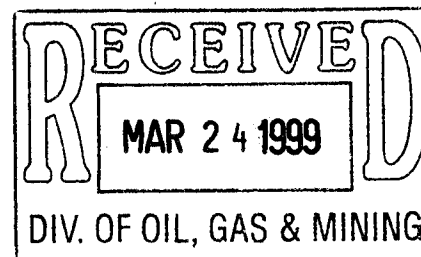
(5/94)

By: **RTK**

(See Instructions on Reverse Side)

COPY SENT TO OPERATOR

Date: **5-20-99**
Initials: **CHD**



***Aviara Energy
Corporation***

February 28, 2000

State of Utah
Division of Oil, Gas, and Mining
1594 W. North Temple
Suite 1210
Salt Lake City, Utah 84078-2799

Attention: Mr. John R. Baza

Reference: Shut-in and Temporarily Abandoned Wells
Annual Status Update

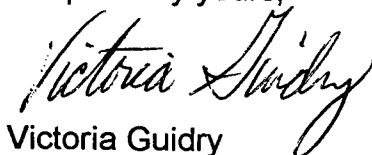
Dear Mr. Baza:

Enclosed please find a Sundry Notice for several inactive wells operated by Aviara Energy Corporation in Utah.

These wells are presently uneconomical to produce and are periodically evaluated for possible stimulation, recompletion or plug and abandonment. Aviara Energy would like to have the shut-in or temporarily abandoned status extend for another year.

If you require additional information or have any questions please contact me at 713-871-3444.

Respectfully yours,



Victoria Guidry
Production/Regulatory Coordinator

/v/jg

Enclosures

H:\docs\...\reg\021b

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator

Aviara Energy Corporation

3. Address and Telephone Number.

P.O. Box 1350, Houston TX 77251-1350

713-871-3400

4. Location of Well

Footages: 1900' FSL & 1900' FEL

QQ, Sec., T., R., M.: NWSE, Sec. 28, T25S, R19E

5. Lease Designation and Serial Number

UTU67755X

6. Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

Kane Springs Federal Unit

8. Well Name and Number:

Kane Springs Fed. #28-1

9. API Well Number:

43 019 31325

10. Field and Pool, or Wildcat

Wildcat

County: Grand

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon* | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Extension of T&A Status--Annual 1999</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Temporarily abandoned. Re-evaluating for stimulation/recompletion/plug & abandonment.

RECEIVED

MAR 01 2000

DIVISION OF
OIL, GAS AND MINING

13.

Name & Signature

Victoria Guidry

Victoria Guidry

Title Production/Regulatory Coordinator

Date 02/28/00

(This space for State use only)

The Extension for Shut-in Time issued 2-MAR-1999 **EXPIRES** 1-APR-2000
In accordance with R649-3-36.3, provide the Division of Oil, Gas & Mining a Showing
of Good Cause as to why this well should not be plugged. 7/11

(5/94)

COPY SENT TO OPERATOR

Date: 3-2-00
Initials: CHD

(See Instructions on Reverse Side)

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Aviara Energy Corporation

3a. Address

P.O. Box 1350, Houston TX 77251-1350

3b. Phone No. (include area code)

713-871-3400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1900' FSL & 1900' FEL
NWSE, Sec. 28, T25S, R19E

5. Lease Serial No.

UTU 67755X

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

Kane Springs Federal Unit

8. Well Name and No.

Kane Springs Fed. #28-1

9. API Well No.

43-019-31325

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Grand County, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other Annual |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | Status Report |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | 2000 |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Aviara Energy Corp. requests an extension of the temporarily abandon status of this well until April 1, 2001.

Aviara would like to maintain this status, as stated in the recently submitted Unit Plan of Development, while "awaiting further tests and evaluation to determine if stimulation or other treatment could establish commercial production". This evaluation could possibly lead to a reentry of this well reducing the impact in this area in the event of further activity.

RECEIVED

MAR 29 2000

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Victoria Guidry

Title

Production/Regulatory Coordinator

Date

03/28/00

The Extension for Shut-in or Temporarily Abandonment may be issued in accordance with

B649-3-36.1.1, 1.2 & 1.3, upon receipt and review, by the Division of Oil, Gas & Mining of

the supporting data specified in the cited rule.

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

10-Mar-2000

Office

Accepted by the
Utah Division of
Oil, Gas & Mining

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Aviara Energy Corporation

3a. Address

P.O. Box 1350, Houston TX 77251-1350

3b. Phone No. (include area code)

713-871-3400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1900' FSL & 1900' FEL
NWSE, Sec. 28, T25S, R19E

FORM APPROVED

Budget Bureau No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.

UTU 67755X

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

Kane Springs Federal Unit

8. Well Name and No.

Kane Springs Fed. #28-1

9. API Well No.

43-019-31325

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Grand County, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other Annual |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | Status Report |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | 2001 |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Aviara Energy Corp. requests an extension of the temporarily abandon status of this well until April 1, 2002.

Aviara would like to maintain this status while awaiting future field development leading to possible reentry of this well, which would reduce the impact of further activity in this area

THIS SUNDRY IS BEING RETURNED, INSUFFICIENT DATA WAS SUBMITTED TO APPROVE THE REQUESTED ACTION.

RECEIVED

The well has been nonactive or nonproductive for 9.08 years. In accordance with R649-3-36, a sundry notice shall be filed indicating the reasons and length of time for the well shut-in or temporary abandonment and a demonstration of the well's integrity; evidence that the well is not a risk to public health and safety or the environment. Upon receipt of this required information, the Division will either approve the request or require remedial measures to be taken to establish and maintain the wells integrity.

**DIVISION OF
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Victoria Guidry

Title

Production/Regulatory Coordinator

Date

03/29/01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

CONFIDENTIAL TO OPERATOR

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

4-6-01
C.H.O.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator

Aviara Energy Corporation

3. Address and Telephone Number.

P.O. Box 1350, Houston TX 77251-1350

713-871-3400

4. Location of Well

Footages: **1900' FSL & 1900' FEL**

QQ, Sec., T., R., M.: **NWSE, Sec. 28, T25S, R19E**

5. Lease Designation and Serial Number

UTU67755X

6. Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

Kane Springs Federal Unit

8. Well Name and Number:

Kane Springs Fed.#28-1

9. API Well Number:

43 019 31325

10. Field and Pool, or Wildcat

Wildcat

County: **Grand**

State: **Utah**

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Extension of T&A Status</u> | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon* | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Annual Status Report 2001 & Integrity Test</u> | |

Date of work completion 05/29/01

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Aviara Energy Corp. is re-submitting it's request for an extension of the temporarily abandon status of this well until April 1, 2002. (The original request was submitted on 3/29/01).

In accordance with R649-3-36 the results of the well integrity test performed on May 29, 2001 is attached. The well was tested to 960 psi and held okay for 1 hour.

Aviara would like to maintain this status while awaiting future field development leading to possible reentry of this well, which would reduce the impact of further activity in this area.

13.

Name & Signature

Victoria Guidry

Title

Victoria Guidry

Production/Regulatory Coordinator

Date

07/19/01

(This space for State use only)

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: 9/17/01

By: *[Signature]*

STATE TGA: 4/1/2002

Federal Approval Of:
Action Is Necessary

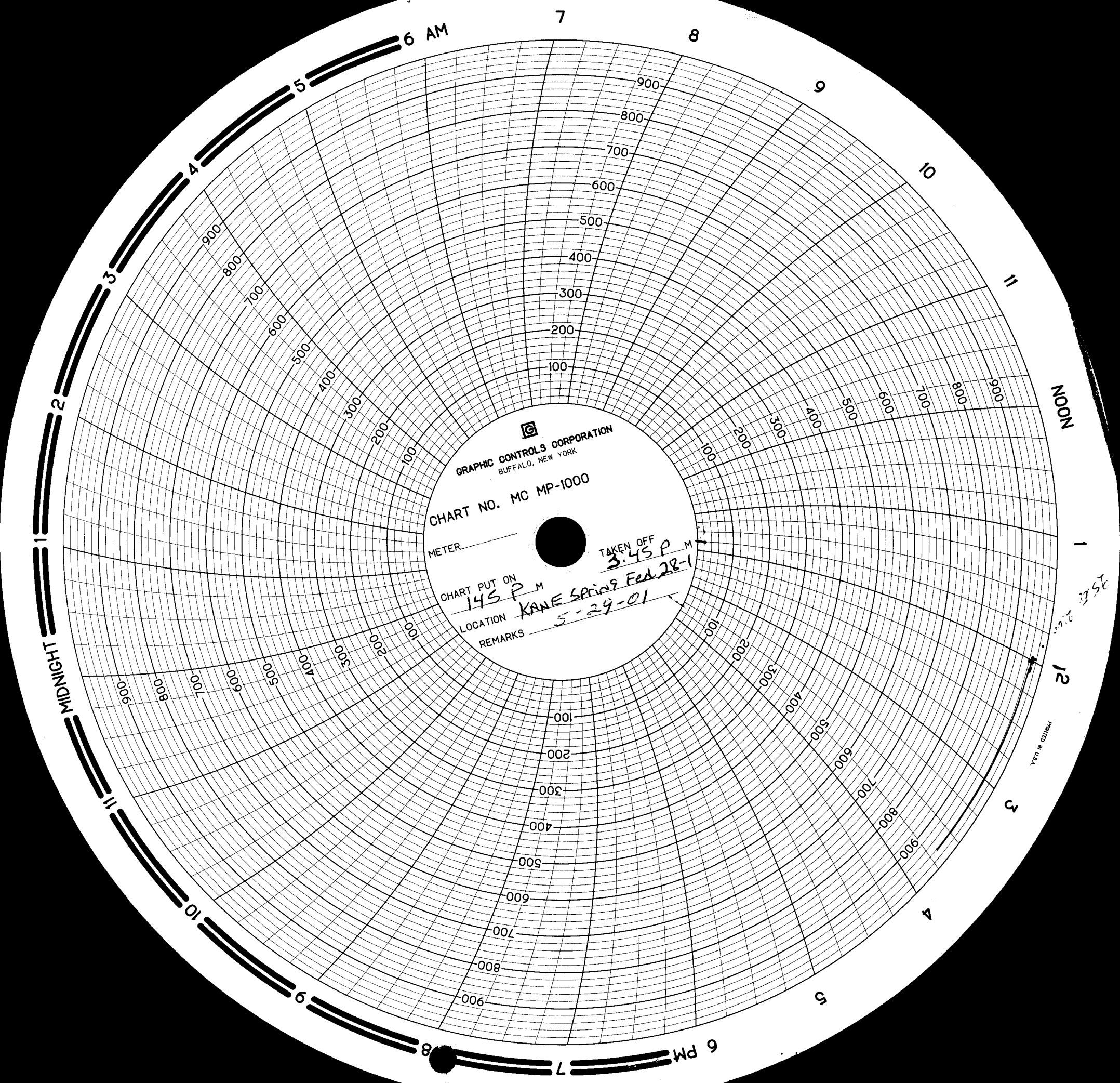
COPY SENT TO OPERATOR

Date:

Initials:

9-17-01

CHD



Tested to 960 psi
Held OK for 1 hr.

AVIARA
ENERGY CORPORATION

One Riverway, Suite 700
Houston, Texas 77056

July 19, 2001

State of Utah
Division of Oil, Gas, and Mining
1594 W. North Temple, Suite 1210
Salt Lake City, UT 84116

Attention: Mr. John Baza

Reference: Shut-in/Temporarily Abandoned Wells
Annual Status Update 2001
Re-submitted Request

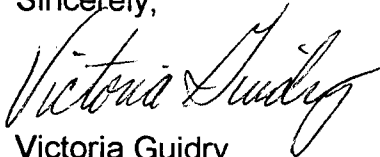
Dear Mr. Baza:

Enclosed please find a Sundry Notice for several inactive wells operated by Aviara Energy Corporation in Utah. A request to extend the shut-in and temporarily abandoned status of these wells for another year was submitted in late March 2001, however they were returned without approval due to insufficient data.

Aviara is re-submitting these Sundry Notices for approval. Well integrity tests have been run which indicate that the wells are not a risk to public health and safety or the environment as specified in R649-3-36.

I apologize for the delay in forwarding this information; I was out of the office when the test results were received from the field personnel. Please contact me at 713-871-3444 if you require further information.

Sincerely,



Victoria Guidry
Production/Regulatory Coordinator

/v/jg

Enclosures

H:\...\docs\utah\001

11-12-01
JUL 23 11:03
DOL
CUL

HUNT PETROLEUM (AEC), INC.

1601 Elm Street, Suite 3400

Dallas, Texas 75201

July 11, 2002

State of Utah
Department of Oil, Gas & Minerals
1594 West N. Temple, Suite 1210
Salt Lake City, Utah 84114-5801

Attn: Mr. Jim Hamilton

Re: Travelers Bond No. 103860066

Dear Sir:

This is to advise you that Aviara Energy Corporation has changed its name to Hunt Petroleum (AEC), Inc., effective July 1, 2002. Attached is a Surety Rider to Travelers Bond #103860066 (which replaced CNA Bond No. 159209096) and a copy of the Surety Bond on State of Utah Form 4A currently on file with the State of Utah, Department of Natural Resources.

If you have any questions please give me a call at (214) 880-8916.

Yours very truly,

Mary Melvin

Mary Melvin
Legal Assistant

attachments

cc: Max Gardner (w/enc.)
Donny Worthington (w/enc.)
Gerald Phillips (w/enc.)

Receipt acknowledged this ___ day of July 2002.

STATE OF UTAH, Department of Oil, Gas & Minerals

By: _____

Title: _____

RECEIVED
JUL 15 2002
DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Colorado State Office
2850 Youngfield Street
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:
3106 (MM)

July 22, 2002

NOTICE

Hunt Petroleum (AEC), Inc.
1601 Elm Street, Suite 3400
Dallas, TX 75201

:
:
: Oil and Gas
:

Name Change Recognized

Acceptable evidence was filed and accepted by this office concerning the name change of Aviara Energy Corporation to Hunt Petroleum (AEC), Inc. with Hunt Petroleum (AEC), Inc. being the surviving entity. For our purposes, the name change was recognized effective July 1, 2002 the date of acceptance by the Secretary of the State of Delaware.

A rider changing the name of the principal on Nationwide bond number 159209244 (BLM Bond CO-1274) previously held by Aviara and issued by Continental Casualty Company, was changed to Hunt Petroleum (AEC), Inc. effective July 12, 2002.

The oil and gas lease files identified on the enclosed Exhibit A, supplied by Hunt Petroleum (AEC), Inc. were updated to reflect the new name. We have not abstracted the lease files to determine if the entities affected by the name change hold an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Mineral Management Services (MMS) and applicable Bureau of Land Management (BLM) Field Offices of the name change by copy of this notice. If our field offices require additional documentation for changes of operator, they will contact you.

If you identify additional leases where the affected parties maintain an interest, please contact this office and we will document the files under our jurisdiction with a copy of this Notice. If the leases are under the jurisdiction of another State Office, we will notify them.

If you have any questions concerning this correspondence, please call Martha Maxwell at (303)239-3768.

Milada Kharinec
FOR Beverly Derringer
Chief, Fluid Minerals Adjudication

Exhibit A sent to Eastern SO, New Mexico SO, Montana SO, Utah SO, Wyoming SO &
MMS-MRM, MS357B1, PO Box 5760, Denver, CO 80217
Decision Letter sent to All State Offices via BLM_Fluids_Forum

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See attachment</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: Hunt Petroleum (AEC), Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1601 Elm Street, Suite 3400 Dallas, TX 75201		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: 214-880-8855		8. WELL NAME and NUMBER:
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY:		9. API NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Change of company from Aviaara Energy Inc. to Hunt Petroleum (AEC), Inc.
effective July 1, 2002.

NAME (PLEASE PRINT) Lisa Augustine TITLE Agent
SIGNATURE *Lisa Augustine* DATE August 6, 2002

(This space for State use only)

RECEIVED
AUG 07 2002
DIVISION OF
OIL, GAS AND MINING

api	well_name	section	township	range	ll_status_m
4301931310	KANE SPRINGS FED 27-1	27	250S	190E	P
4301931324	KANE SPRINGS FED 19-1A	19	260S	200E	P
4301931325	KANE SPRINGS FED 28-1	28	250S	190E	S
4301931331	KANE SPRINGS FED 10-1	10	250S	180E	P
4301931332	KANE SPRINGS FED 20-1	20	260S	190E	S
4301931334	KANE SPRINGS FED 25-19-34-1	34	250S	190E	P
4301931363	CANE CREEK FEDERAL 7-1	07	250S	190E	DRL
4301931364	CANE CREEK FED 11-1	11	260S	190E	DRL
4301931365	CANE CREEK 30-1	30	260S	200E	APD
4301931379	KANE SPRINGS FED 3-1	03	260S	190E	APD
4303730572	GOVT EVELYN CHAMBERS 1	06	310S	240E	S
4303730612	GOVT EVELYN CHAMBERS 2	05	310S	240E	S
4304731768	COWDEN 31-3-C	31	060S	210E	S
4304731769	FEDERAL 33-6-F	33	060S	210E	P
4304731787	FEDERAL 33-8-N	33	060S	210E	P
4304731804	FEDERAL 33-3-J	33	060S	210E	S
4304731844	FEDERAL 33-7-L	33	060S	210E	P
4301931341	KANE SPRINGS 16-1	16	250S	180E	A
4304731776	ALTA 5-1-B	05	070S	210E	P
4304731843	ALTA 5-2-C	05	070S	210E	P

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW ✓

3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **07-01-2002**

FROM: (Old Operator):	TO: (New Operator):
AVIARA ENERGY CORPORATION	HUNT PETROLEUM (AEC) INC
Address: 1601 ELM STREET, STE 3400	Address: 1601 ELM STREET, STE 3400
DALLAS, TX 75201	DALLAS, TX 75201
Phone: 1-(214)-880-8850	Phone: 1-(214)-880-8850
Account No. N5500	Account No. N2180

CA NO.

Unit: KANE SPRINGS

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
KANE SPRINGS FEDERAL 10-1	10-25S-18E	43-019-31331	11414	FEDERAL	OW	P
KANE SPRINGS FEDERAL 27-1	27-25S-19E	43-019-31310	11180	FEDERAL	OW	P
KANE SPRINGS FEDERAL 28-1	28-25S-19E	43-019-31325	11354	FEDERAL	OW	S
KANE SPRINGS FEDERAL 25-19-34-1	34-25S-19E	43-019-31334	11521	FEDERAL	OW	P
KANE SPRINGS FEDERAL 20-1	20-26S-19E	43-019-31332	11670	FEDERAL	OW	S
KANE SPRINGS FEDERAL 19-1A	19-26S-20E	43-019-31324	11353	FEDERAL	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 07/15/2002
 2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 08/07/2002
 3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 08/07/2002
 4. Is the new operator registered in the State of Utah: YES Business Number: 56883-0143
 5. If **NO**, the operator was contacted on: N/A
 6. (R649-9-2) Waste Management Plan received on: IN PLACE
-
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 07/01/2002

7. Federal and Indian Units:

The BLM or BIA has approved the successor of unit operator for wells listed on: 07/01/2002

8. Federal and Indian Communization Agreements ("CA"):

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. Underground Injection Control ("UIC")

The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 07/08/2002

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 08/07/2002

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 08/07/2002

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: CO-1274

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

April 28, 2003

Intrepid Oil & Gas, L.L.C.
Attn: Jan Podoll
700 17th Street, Suite 1700
Denver, Colorado

Re: Cane Creek Unit
Grand & San Juan Counties, Utah

Gentlemen:

On April 25, 2003, we received an indenture dated April 23, 2003, whereby Hunt Petroleum (AEC), Inc. resigned as Unit Operator and Intrepid Oil & Gas, L.L.C. was designated as Successor Unit Operator for the Cane Creek Unit, Grand and San Juan Counties, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 28, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Cane Creek Unit Agreement.

Your statewide (Utah) oil and gas bond No. UTB000029 will be used to cover all operations within the Cane Creek Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

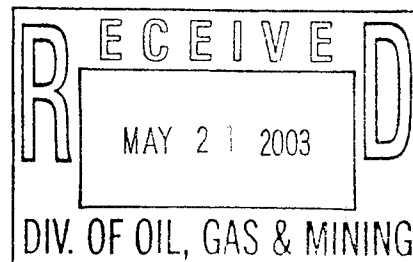
/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Moab (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File - Cane Creek Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:4/28/03



Results of query for MMS Account Number UTU80000

Production	API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	Quarter/Quarter	File
<u>Production</u>	<u>4301931325</u>	HUNT PETROLEUM (AEC) INC	28-1 KANE SPRINGS	TA	UTU48351	UTU80000X	25S	19E	28	SWSE	WILC
<u>Production</u>	<u>4301931332</u>	HUNT PETROLEUM (AEC) INC	20-1 KANE SPRINGS	TA	UTU54037	UTU80000X	26S	19E	20	SESW	BIG I
<u>Production</u>	<u>4301931363</u>	HUNT PETROLEUM (AEC) INC	7-1	OSI	UTU51239	UTU80000X	25S	19E	7	SESW	WILC
<u>Production</u>	<u>4301931364</u>	HUNT PETROLEUM (AEC) INC	11-1	GSI	UTU65972	UTU80000X	26S	19E	11	SESW	UND

DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

2003 MAY 29 A 10:49

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas well ☐ Other

2. Name of Operator

Intrepid Oil & Gas, LLC

3. Address and Telephone No.

700 17th Street, Suite 1700, Denver, CO 80202 303.296.3006

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1900' FSL, 1900' FEL
NWSE Sec 28, T25S-R19E

5. Lease Designation and Serial No.

UTU-50678 LITW48351

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

Kane Springs Unit

8. Well Name and No.

Kane Springs Fed #28-1

9. API Well No.

43-019-31325

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Grand County, UT

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing repair ☐ Water Shut-off
☐ Altering Casing ☐ Conversion to Injection
☒ Other Change of Operator ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

On April 28, 2003, Intrepid Oil & Gas, LLC was designated successor operator of the Kane Springs Federal Unit. Effectively immediately, Intrepid Oil & Gas, LLC accepts designation as successor operator for this well. The following information is relevant:

Intrepid Oil & Gas, LLC
700 17th Street, Suite 1700
Denver, CO 80202
Attn: H. Richard Miller
303.296.3003 - Phone
303.298.7502 - Fax

OPERATIONS WILL BE CONDUCTED UNDER BLM BOND #UTB000029

14. I hereby certify that the foregoing is true and correct

Signed

H. Richard Miller
H. Richard Miller

Title

Special Projects Manager

Date: April 29, 2003

(This space of Federal or State office use.)

Approved by

ACCEPTED

Title

Division of Resources
Moab Field Office

Date

MAY 29 2003

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CC: [unclear], Hunt Petroleum

RECEIVED

JUN 09 2003

DIV. OF OIL, GAS & MINING

Intrepid Oil and Gas, LLC
Well No. 28-1
Sections 28, T. 25 S., R. 19 E.
Leases UTU48351
Grand County, Utah

CONDITIONS OF ACCEPTANCE

Acceptance of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Intrepid Oil and Gas, LLC is considered to be the operator of the above well effective April 28, 2003, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UTB000029 (Principal –Intrepid Oil and Gas, LLC) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43CFR 3106.7-2 continuing responsibility are met.

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

2003 MAY 29 A 10:49

SUBMIT IN TRIPLICATE

1. Type of Well

☐

Oil Well

☐

Gas well

☒

Other

Salt Water Injection Well

2. Name of Operator

Hunt Petroleum (AEC), Inc.

3. Address and Telephone No.

P. O. Box 1350 Houston, Texas 77251-1350

713-871-3400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1900' FSL & 1900' FEL

NWSE Sec. 28, T25S, R19E

5. Lease Designation and Serial No.

UTU-50678

LTM48351

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

Kane Springs Federal Unit

8. Well Name and No.

Kane Springs Fed. #28-1

9. API Well No.

43-019-31325

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Grand County, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing repair

☐

Altering Casing

☒

Other Change of Operator

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-off

☐

Conversion to Injection

☐

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

Hunt Petroleum (AEC), Inc., designated Unit Operator hereby resigns as operator per Resignation of Unit Operator and Designation of Successor Unit Operator forms dated 4/23/2003.
Intrepid Oil & Gas, LLC will be designated operator upon approval.

14. I hereby certify that the foregoing is true and correct

Signed

Bobby Donohue

Title

Landman

Date April 23, 2003

(This space of Federal or State office use.)

Approved by

ACCEPTED

Title

Division of Resources
Moab Field Office

Date

MAY 29 2003

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

RECEIVED

JUN 09 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Temporarily Abandoned</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: U-50678
2. NAME OF OPERATOR: Hunt Petroleum (AEC), Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Kane Springs Federal Unit
3. ADDRESS OF OPERATOR: P. O. Box 1350 CITY Houston STATE TX ZIP 77251		7. UNIT or CA AGREEMENT NAME: Kane Springs Federal Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>1900' FSL & 1900' FEL</u>		8. WELL NAME and NUMBER: Kane Springs Federal #28-1
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>NWSE 28 25S 19E</u>		9. API NUMBER: 43-019-31325
STATE: <u>UTAH</u>		10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On April 28, 2003, Hunt Petroleum (AEC), Inc. resigned as Operator of the Kane Springs Federal Unit and Intrepid Oil & Gas, LLC was designated successor Unit Operator. Concurrent with this action, Hunt Petroleum (AEC), Inc. resigns as Operator of this well and names Intrepid Oil & Gas, LLC as successor Operator.

NAME (PLEASE PRINT) <u>Melinda Mayse</u>	TITLE <u>Regulatory Coordinator Agent</u>
SIGNATURE <u>Melinda Mayse</u>	DATE <u>June 24, 2003</u>

(This space for State use only)

RECEIVED
JUN 25 2003
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: See List below
2. NAME OF OPERATOR: Intrepid Oil & Gas, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 700 17th Street CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 296-3006		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: See List below
COUNTY: Grand STATE: UTAH		9. API NUMBER: See List
10. FIELD AND POOL, OR WILDCAT: See List below		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER:
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On April 28, 2003, Intrepid Oil & Gas, LLC accepted designation as successor operator for the Kane Springs Federal Unit and became operator for the following wells:
 Kane Springs Federal #19-1A - UTU-53626 - API 4301931324 - 800' FSL, 1918' FEL, 19-26S-20E
 Kane Springs Federal #25-19-34-1 - UTU-53624 - API 4301931334 - 934' FNL, 1678' FEL, 34-25S-19E
 Kane Springs Federal #27-1 - UTU-65971 - API 4301931310 - 1700' FEL, 1650' FSL, 27-25S-19E
 Kane Springs Federal #10-1 - UTU-47858 - API 4301931331 - 2333' FSL, 2112' FEL, 10-25S-18E
 ✓ Kane Creek #11-1 - UTU-65972 - API 4301931364 - 2220' FNL, 2060' FWL, 22-26S-19E
 Kane Springs Federal #28-1 - UTU-50678 - API 4301331325 - 1900' FSL, 1900' FEL, 28-25S-19E
 Kane Springs Federal #20-1 - UTU-54037 - API 4301931332 - 1000' FSL, 2400' FWL, 20-26S-19E

NAME (PLEASE PRINT) H. Richard Miller

TITLE Special Projects Manager

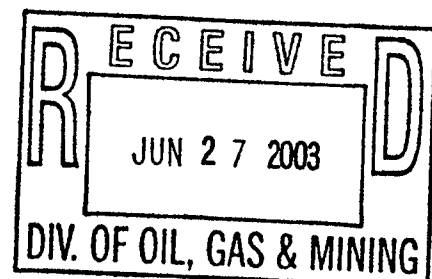
SIGNATURE *H. Richard Miller*

DATE 6/27/2003

(This space for State use only)

(8/2000)

(See Instructions on Reverse Side)



OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

04/28/2003**FROM: (Old Operator):**

HUNT PETROLEUM CORPORATION
1601 Elm Street, Suite 3400
Dallas, TX 75201
Phone: 1-(214) 880-8914
Account No. N 2180

TO: (New Operator):

Intrepid Oil & Gas, LLC
700 17th Street, Suite 1700
Denver, CO 80202
Phone: 1-(303) 296-3006
Account No. N6810

CA No.

Unit:

Kane Springs & Cane Creek

WELL(S)

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
Kane Springs Unit								
KANE SPRINGS FED 27-1	27	250S	190E	4301931310	11180	Federal	OW	P
KANE SPRINGS FED 19-1A	19	260S	200E	4301931324	11353	Federal	OW	P
KANE SPRINGS FED 28-1	28	250S	190E	4301931325	11354	Federal	OW	S
KANE SPRINGS FED 10-1	10	250S	180E	4301931331	11414	Federal	OW	P
KANE SPRINGS FED 20-1	20	260S	190E	4301931332	11670	Federal	OW	S
KANE SPRINGS FED 25-19-34-1	34	250S	190E	4301931334	11521	Federal	OW	P
Cane Creek Unit								
CANE CREEK FED 11-1	11	260S	190E	4301931364	13477	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/25/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/27/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/30/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 2029416-0161
5. If **NO**, the operator was contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 04/28/2003 BIA n/a

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 04/28/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 07/16/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 07/16/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000029

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:



INTREPID POTASH

The Intrepid Companies
700 17th Street, Suite 1700
Denver, CO 80202
303.296.3006
303.298.7502 fax

December 20, 2004

Mr. Dustin Doucet
State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1594 W. North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

RECEIVED

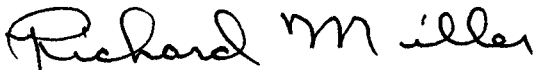
DEC 23 2004

DIV. OF OIL, GAS & MINING

Dear Mr. Doucet,

Attached are copies of Abandonment Procedures for 3 of our wells in the Cane Creek Unit. Please return an approved copy in the self addressed stamped envelope upon your approval.

Sincerely,



Richard Miller
Special Projects Manager

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED OM B No. 1004-0137

Expires March 31, 2007

5. Lease Serial No.

UTU-48351

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or #

Kane Springs Federal Unit

8. Well Name and No.

Kane Springs Fed 28-1

9. API Well Number

43-019-31325

10. Field & Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Grand County, UT

*Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals*

1. Type of Well

OILWELL [X] GAS WELL [] OTHER

2. Name of Operator

Intrepid Oil and Gas LLC

3a. Address

700 17th Street, Suite 1700

Denver CO 80202

3b. Phone No. (include area code)

303-298-1951

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**1900-800 FSL & 1918 FEL of Section 28, T25S, R19E
1900**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Deepen

☐ Production (Start/Resume)

☐ Water Shut-Off

☐ Alter Casing

☐ Fracture Treat

☐ Reclamation

☐ Well Integrity

☐ Casing Repair

☐ New Construction

☐ Recomplete

☐ Other

☐ Change Plans

☒ Plug and Abandon

☐ Temporarily Abandon

☐ Convert to Injection

☐ Plug Back

☐ Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.

If the Proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones.

Attach the Bond under which the work will be performed or provide the Bond No. onfile with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Request permission to Abandon the above well per the attached procedure

COPY SENT TO OPERATOR

Date: **12-29-04**
Initials: **CTD**

RECEIVED

DEC 23 2004

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) **Richard Miller**

Title

Spec. Proj. Mgr.

Signature **Richard Miller**

Date

12/20/04

Approved By:

Title

**Accepted by USE
Utah Division of
Oil, Gas and Mining**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Date: **12/28/04**

Federal Approval Of This
Action Is Necessary

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

PLUG & ABANDONMENT PROCEDURE

December 20, 2004

Kane Springs Federal #28-1

Wildcat

1900' FSL, 1900' FEL, Section 28, T-25-S, R-19-E

Grand County, Utah

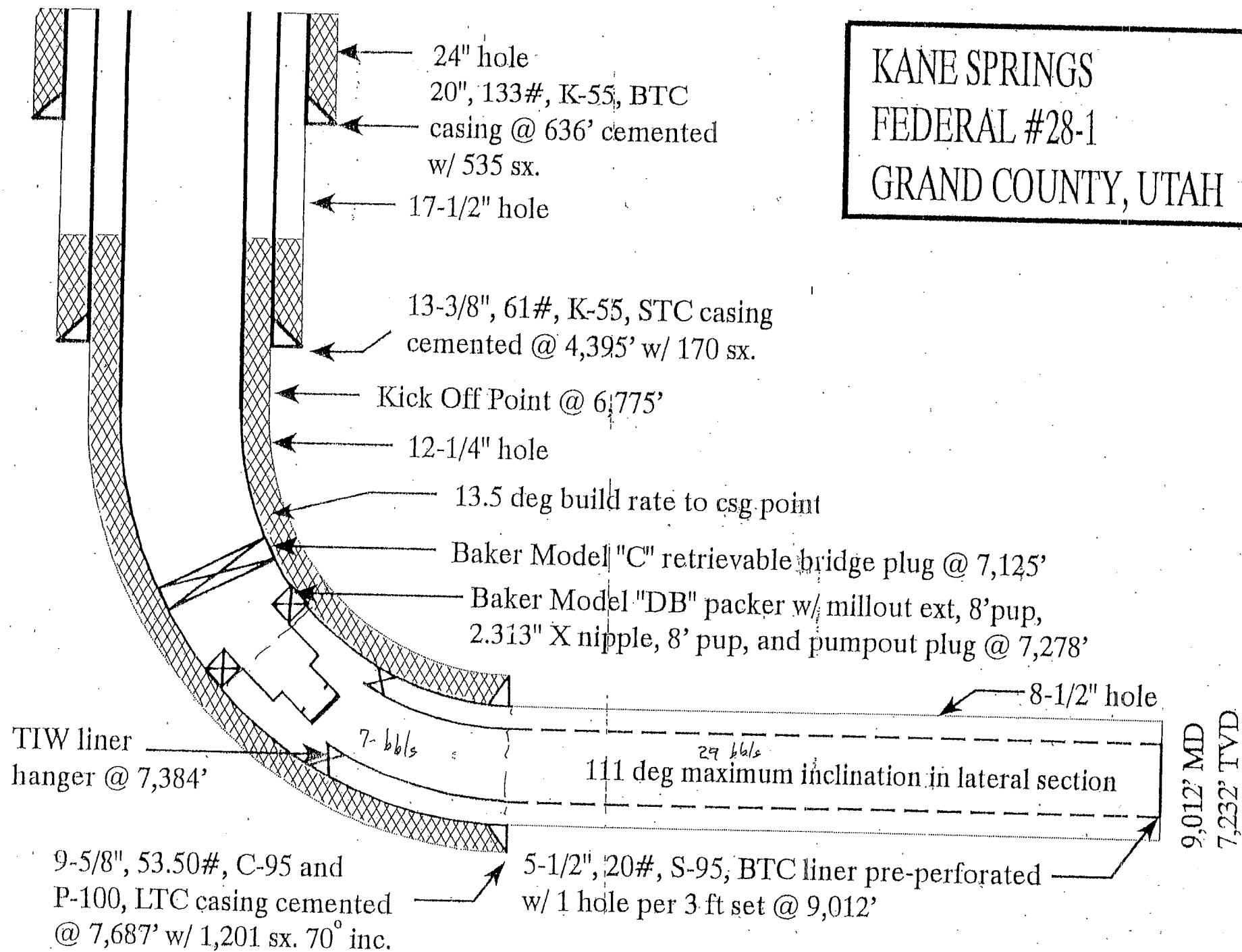
Note: All cement volumes use 10% excess per 1000' of depth, both inside and outside; or use 100% excess outside casing, 50' excess inside casing and 50' excess for a casing annulus, whichever is greater. The stabilizing wellbore fluid will be at least 9.5 ppg brine. All cement is Class B, mixed at 15.6ppg with a 1.18 cf/sx yield for plugs below 6000' and ASTM Type III, mixed at 14.8ppg with 1.32 cf/sx yield for plugs above 6000'.

1. Prepare location for rig and other equipment. Access to location will need dirt work prior to rig arrival. Dig a small earthen pit for well returns and cement wash up. Test anchors.
2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP. Comply with all UDOGM, BLM, and Intrepid safety rules and regulations.
3. PU on tubing and release seal assembly from Model DB packer at 7278'. TOH and visually inspect 2-7/8" tubing, LD packer. If necessary LD tubing and PU a workstring.
4. Round trip a 9-5/8" 53.5# casing scraper to 7265' or as deep as possible.
5. **Plug #1 (5-1/2" Liner top and 9-5/8 Casing shoe: 7737' - 7150')**: TIH with tubing and set a 9-5/8" CR retainer at 7250' above packer. Pressure test tubing to 1500#. Load casing with brine and circulate well clean. Pressure test casing to 1000#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix and pump 193 sxs Class B cement, squeeze 160 sxs below the CR to cover the liner top and 9-5/8" casing shoe, then spot 33 sxs above the CR. TOH with tubing.
6. **Plug #2 (9 5/8" Casing isolation plug: 5000' - 4900')**: Mix 30 sxs Type III cement and spot balanced plug inside casing to isolate this interval. POH with tubing.
7. If it is determined economic and feasible to recover some of the 9-5/8" casing then do the following: perforate the 9-5/8" casing at the appropriate depth (to be determined by availability of casing jacks and or the hoist capacity of the rig). Establish circulation to surface out the 9-5/8" X13-5/8" annulus with water to surface; circulate clean. ND the BOP and weld a 9-5/8" slip-on collar onto the casing stub. Cut the 9-5/8" casing at the depth perforated. Pull and LD as much 9-5/8" casing as possible.
8. **Plug #3 (9-5/8" Casing stub: depth to be determined)**: TIH with tubing to 50' below the 9-5/8" casing stub. Mix 100 sxs Type III cement and spot balanced plug inside the 13-3/8" casing to cover the 9-5/8" casing stub. TOH with tubing. This plug (or a separate plug) will be placed to cover 50' above and below the 13 3/8" shoe at 4395'.
9. **Plug #4 (20" casing shoe, 686' - 586')**: Perforate 6 squeeze holes through the 9-5/8" (if present) and 13-3/8" casing(s). Establish circulation to surface out the bradenhead and intermediate casings.

TIH with tubing to 636'. Mix and spot 114 sxs Type III cement, pull up with tubing and then squeeze 39 sxs outside 13-3/8" x 20" casing, 30 sxs outside 9-5/8" x 13-3/8" casing and leave 45 sxs inside 9-5/8" casing to cover the 20" casing shoe. TOH and LD remaining tubing.

10. **Plug #5 (Surface; 100'– Surface):** Perforate 6 squeeze holes through the 9-5/8" and 13-3/8" casings. Establish circulation to surface out the bradenhead and casing valves. Mix and pump approximately 150 sxs Type III cement down the 9-5/8" casing to circulate good cement out the bradenhead and annuli. WOC.
11. Cut off surface and production casing below ground level. Fill well with cement as necessary and install 1/4" steel plate with a weep hole. Attach dry hole marker and fill cellar. RD, MOL, and restore location per BLM requirements.

KANE SPRINGS
FEDERAL #28-1
GRAND COUNTY, UTAH



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Intrepid Oil & Gas LLC Operator Account Number: N 6810
Address: 700 17th St, Suite 1700
city Denver
state CO zip 80202 Phone Number: (303) 296-3006

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301931324	Kane Springs Fed 19-1A		SWNE	19	20S	20E	Grand
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	11353	14507	20S			1/18/2005	
Comments: Correction requested by operator due to unit change. Please correct reports effective 5/18/2004.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301931325	Kane Springs Fed 28-1		NWSE	28	25S	19E	Grand
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	11354	14508				1/18/2005	
Comments: Correction requested by operator due to unit change. Please correct reports effective 5/18/2004.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301931331	Kane Springs Fed 10-1		NWSE	10	25S	18E	Grand
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	11414	14509				1/18/2005	
Comments: Correction requested by operator due to unit change. Please correct reports effective 5/18/2004.							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Earlene Russell For DOGM

Name (Please Print)

ER

Signature

Engineering Tech

Title

1/18/2005

Date

INTREPID POTASH

INTREPID POTASH - MOAB, LLC

P.O. Box 1208, Moab, Utah 84532 • Office 435-259-7171 • FAX 435-259-7100

FAX COVER SHEET

Attention: Dustin Doucet From: Richard MillerCompany: DOGMDate: 4/12/05Fax # 801-359-3940Page 1 of 16Dustin,I hope these plans are
acceptable.Regards,Richard Millercell 303-881-5440richard.miller@intrepidpotash.com

RECEIVED

APR 13 2005

DIV. OF OIL, GAS & MINING

CONFIDENTIALITY CAUTION

This message is intended only for the use of the individual or entity to which it is addressed and contains information that is privileged and confidential. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address at our cost.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals

FORM APPROVED ON 8 No. 1004-0127

Expires March 31, 2007

1. Type of Well OILWELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. Lease Serial No. UTU-48351
2. Name of Operator Intrepid Oil and Gas LLC		6. If Indian, Allocated or Tribe Name N/A
3a. Address 700 17th Street, Suite 1700 Denver CO 80202		7. If Unit or CA Agreement, Name and/or # Kane Springs Federal Unit
3b. Phone No. (Include area code) 303-286-1851		8. Well Name and No. Kane Springs Fed 28-1
4. Location of Well (Postage, Sec., T., R., M., or Survey Description) 800' FSL & 1918' FEL of Section 28, T25S, R19E		9. API Well Number 43-019-31325
		10. Field & Pool, or Exploratory Area Wildcat
		11. County or Parish, State Grand County, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans <input checked="" type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the Proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Request permission to Abandon the above well per the attached procedure

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 4/15/05
By: [Signature]

Federal Approval Of This
Action Is Necessary

RECEIVED
MOAB FIELD OFFICE
2005 DEC 23 A 11:35
DEPT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Richard Miller Title Spec. Proj. Mgr.
Signature [Signature] Date 12/20/04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By: [Signature] Date 3-11-05
Assistant Field Manager
Division of Resources

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

COPY SENT TO OPERATOR
Date: 4/18-05
Initials: CHD

RECEIVED

APR 13 2005 CONDITIONS OF APPROVAL ATTACHED

DIV. OF OIL, GAS & MINING

Notice of Intent to Abandon
Intrepid Oil and Gas, LLC
Kane Springs Federal #28-1
Lease U-48351
Section 28, T25S, R19E
Grand County, Utah

CONDITIONS OF APPROVAL

1. Notify Jack Johnson (435-259-2129) of the BLM Moab Field Office at least 24-hours prior to starting plugging operations.
2. The cement volume for the plug at 4900-5000 feet shall be increased to 45 sacks to achieve the minimum 150 feet of plug length (100 feet + 10% per 1000 feet of depth).
3. An additional plug may be necessary across, or immediately above, the top of the Paradox salt at 3985 feet. If the 9-5/8 inch casing is pulled, and the stub plug is above 3985 feet, no additional plug is necessary.
4. Should you have any questions regarding this approval, please call Eric Jones (435-259-2117) of the BLM Moab Field Office.
5. Any questions regarding surface reclamation may be directed to Rich McClure (435-259-2127) of the BLM Moab Field Office.
6. Within 30-days of plugging the well, submit a subsequent report of abandonment on a sundry notice (Form 3160-5). The report should describe all work that was done, including cement volumes, plug depth, etc.

PLUG & ABANDONMENT PROCEDURE

December 20, 2004

Kane Springs Federal #28-1

Wildcat

1900' FSL, 1900' FEL, Section 28, T-25-S, R-19-E
Grand County, Utah

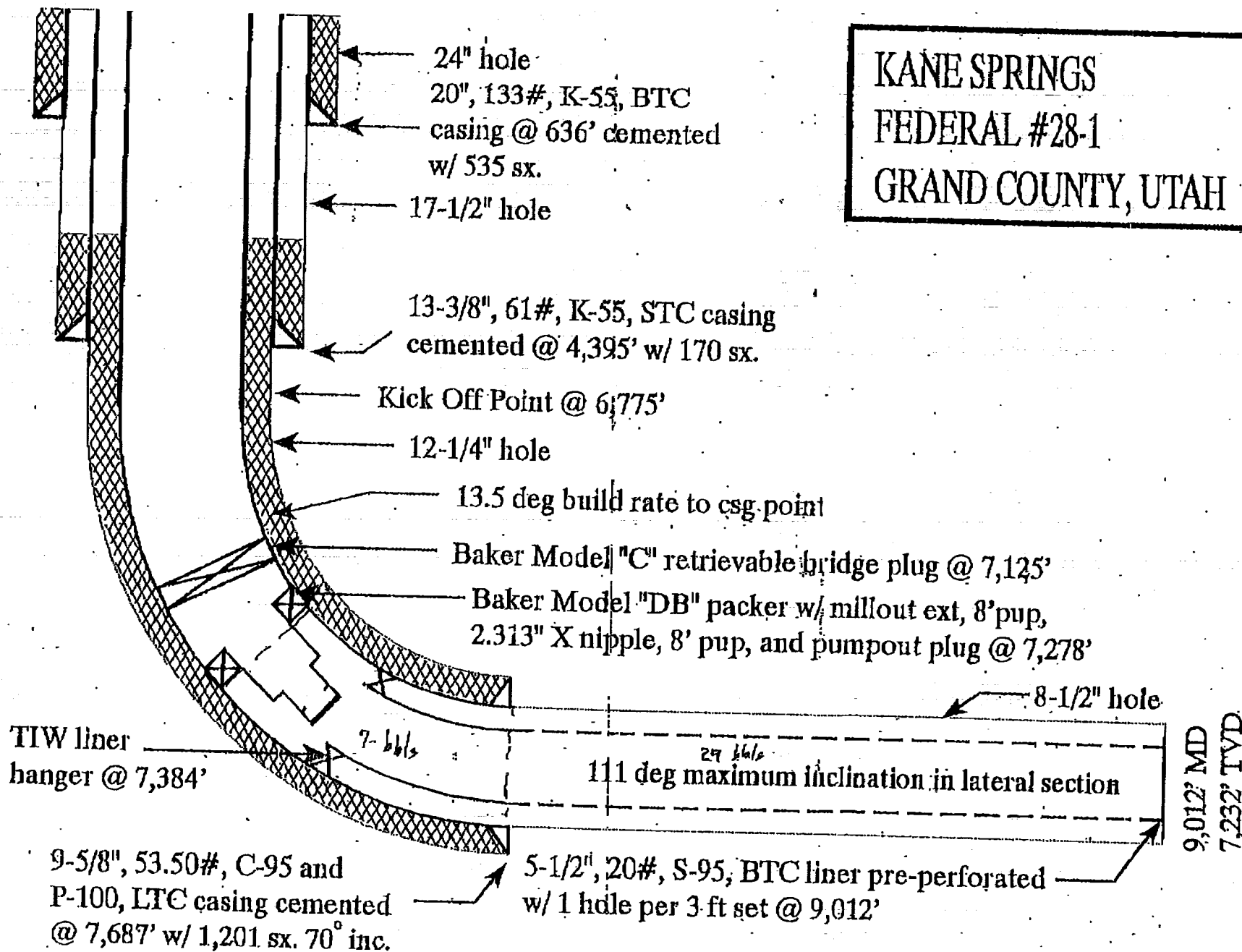
Note: All cement volumes use 10% excess per 1000' of depth, both inside and outside; or use 100% excess outside casing, 50' excess inside casing and 50' excess for a casing annulus, whichever is greater. The stabilizing wellbore fluid will be at least 9.5 ppg brine. All cement is Class B, mixed at 15.6ppg with a 1.18 cf/sx yield for plugs below 6000' and ASTM Type III, mixed at 14.8ppg with 1.32 cf/sx yield for plugs above 6000'.

1. Prepare location for rig and other equipment. Access to location will need dirt work prior to rig arrival. Dig a small earthen pit for well returns and cement wash up. Test anchors.
2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP. Comply with all UDOGM, BLM, and Intrepid safety rules and regulations.
3. PU on tubing and release seal assembly from Model DB packer at 7278'. TOH and visually inspect 2-7/8" tubing, LD packer. If necessary LD tubing and PU a workstring.
4. Round trip a 9-5/8" 53.5# casing scraper to 7265' or as deep as possible.
5. **Plug #1 (5-1/2" Liner top and 9-5/8 Casing shoe: 7737' - 7150')**: TIH with tubing and set a 9-5/8" CR retainer at 7250' above packer. Pressure test tubing to 1500#. Load casing with brine and circulate well clean. Pressure test casing to 1000#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix and pump 193 sxs Class B cement, squeeze 160 sxs below the CR to cover the liner top and 9-5/8" casing shoe, then spot 33 sxs above the CR. TOH with tubing.
6. **Plug #2 (9 5/8" Casing isolation plug: 5000' - 4900')**: Mix 30 sxs Type III cement and spot balanced plug inside casing to isolate this interval. POH with tubing.
7. If it is determined economic and feasible to recover some of the 9-5/8" casing then do the following: perforate the 9-5/8" casing at the appropriate depth (to be determined by availability of casing jacks and or the hoist capacity of the rig). Establish circulation to surface out the 9-5/8" X13-5/8" annulus with water to surface; circulate clean. ND the BOP and weld a 9-5/8" slip-on collar onto the casing stub. Cut the 9-5/8" casing at the depth perforated. Pull and LD as much 9-5/8" casing as possible.
8. **Plug #3 (9-5/8" Casing stub: depth to be determined)**: TIH with tubing to 50' below the 9-5/8" casing stub. Mix 100 sxs Type III cement and spot balanced plug inside the 13-3/8" casing to cover the 9-5/8" casing stub. TOH with tubing. This plug (or a separate plug) will be placed to cover 50' above and below the 13 3/8" shoe at 4395'.
9. **Plug #4 (20" casing shoe, 686' - 586')**: Perforate 6 squeeze holes through the 9-5/8" (if present) and 13-3/8" casing(s). Establish circulation to surface out the bradenhead and intermediate casings.

TIH with tubing to 636'. Mix and spot 114 sxs Type III cement, pull up with tubing and then squeeze 39 sxs outside 13-3/8" x 20" casing, 30 sxs outside 9-5/8" x 13-3/8" casing and leave 45 sxs inside 9-5/8" casing to cover the 20" casing shoe. TOH and LD remaining tubing.

10. **Plug #5 (Surface; 100'- Surface):** Perforate 6 squeeze holes through the 9-5/8" and 13-3/8" casings. Establish circulation to surface out the bradenhead and casing valves. Mix and pump approximately 150 sxs Type III cement down the 9-5/8" casing to circulate good cement out the bradenhead and annuli. WOC.
11. Cut off surface and production casing below ground level. Fill well with cement as necessary and install 1/4" steel plate with a weep hole. Attach dry hole marker and fill cellar. RD, MOL, and restore location per BLM requirements.

**KANE SPRINGS
FEDERAL #28-1
GRAND COUNTY, UTAH**



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Sundry Notices and Reports on Wells

COPY
well file

1. Type of Well

Oil Well

2. Name of Operator

Intrepid Oil & Gas LLC

3. Address & Phone No. of Operator

700 17th Street, Suite 1700, Denver, Colorado, 80202

4. Location of Well, Footage, Sec., T, R, M

1900' FSL and 1900' FEL, Section 28, T-25-S, R-19-E

5. Lease Number

UTU67755X

6. If Indian, All. or

Tribe Name

N/A

7. Unit Agreement Name

Kane Springs

Federal Unit

8. Well Name & Number

Kane Springs Fed 28-1

9. API Well No.

43-019-31325

10. Field and Pool

Wildcat

11. County & State

Grand County, Utah

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment

Type of Action

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other -

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

This well was plugged and abandoned on May 12, 2005 per the attached report.

14. I hereby certify that the foregoing is true and correct.

SIGNATURE

William F. Clark
William F. Clark

Contractor

May 13, 2005

(This space for Federal or State Office use)

APPROVED BY

Title

Date

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

JUN 01 2006

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

505-325-2627 * fax: 505-325-1211

Intrepid Oil and Gas LLC
Kane Springs Fed #28-1

May 16, 2005
Page 1 of 3

1900' FSL & 1900' FEL, Section 28, T-25-S, R-19-E
Grand County, UT
API #43-019-31325

Plug & Abandonment Report

Work Summary:

Notified BLM on 4-15-05

- 4/26/05 MOL and RU rig. Set 8' culvert into cellar and fill around it with dirt. Lay relief lines to pit. Load tubing with 1 bbl of water, pressured up to 2000#. ND wellhead. NU spool and 11" BOP. Pull seal assembly out of packer. Casing started flowing to steel pit; a 1/2" stream of water at 0#. Shut in well.
- 4/27/05 Well pressures: 50# casing. Hook up hot oil unit. Attempt to pump down the tubing, pressure up to 5000#. Unable to circulate down tubing. Start to TOH with tubing. At 3800' out, tubing unloaded. Installed TIW valve and bleed pressure off to pit. Continue to TOH with total of 221 joints 2.875" tubing. LD packer seal assembly. RU wireline unit and round trip a 7" gauge ring to 6725'. RIH and set 9.625" PlugWell CR at 6725'. TIH with CR stinger and 215 joints of tubing. Load casing with 560 bbls of water and pressure test to 1000#, held OK. Establish rate below CR 1 bpm at 2000#. **Plug #1** with CR at 6725', spot 70 sxs Class B cement (83 cf) inside casing above CR up to 6568' to isolate the 5.5" liner top and the 9.625" casing shoe. Procedure change approved by Jack Johnson, BLM (no cement below CR). PUH to 4575'. Shut in well.
- 4/28/05 Well pressures: 0#. TIH with tubing to 5000'. Found tubing plugged. TOH with tubing and LD stinger. TIH with tubing to 5014'. Load casing with 200 bbls of water and circulate well clean. **Plug #2** with 58 sxs Class B cement (68 cf) inside casing from 5014' up to 4850' to seal the 9.625" casing. TOH with tubing. Procedure change not to set plug #3 at the 13.375" shoe approved by BLM. Perforate 3 holes in the 9.625" casing at 4624'. Attempt to establish circulation to surface, pressured up to 2000#. Perforate 3 holes at 4455'. Pump 400 bbls of water down the casing to circulate out the 9.625" x 13.375" intermediate casing annulus valve (IM). Shut in well.
- 4/29/05 Standby. Casing jacks not available.
- 5/2/05 Standby. Casing jacks not available.

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

505-325-2627 * fax: 505-325-1211

Intrepid Oil and Gas LLC
Kane Springs Fed #28-1

May 16, 2005
Page 2 of 3

Work Summary - Continued:

- 5/3/05 Well pressures: 0#. ND 11" BOP. ND 9.625" tubing head. Weld an 8' extension onto the 9.625" as a pull sub. RIH with A-Plus wireline and jet cut 9.625" casing at 4456'; jet cut again at 2970'; and shoot a collar buster at 1485'. RD wireline. RU casing handling tools and tongs. Pull on casing. Unable to pull slips out of casing head spool. ND 13.375" casing head and pull 9.625" casing up 4". NU casing head. Wrap wellhead with prima cord. Pull on casing to 125,000#. Shoot prima cord. Slips stuck. ND 13.375" casing head. Pull 1 joint, 9.625" casing and wellheads. Cut off wellhead bolts and strip off 13.375" casing head. RIH with joint 9.625" casing and flange up well heads. Shut in well.
- 5/4/05 Well pressures: 0#. Pull 1 joint, 9.625" casing and well heads. LD casing and wellheads. RU casing equipment and lay down line. LD 34 joints 9.625" casing. RD casing equipment. PU spear and jars. TIH with 26 joints tubing. Unable to catch pipe (wrong size grapple). TOH with spear. Shut in well.
- 5/5/05 Well pressures: 0#. PU bumper sub, jars and spear. TIH with 46 joints tubing. Catch 9.625" casing. PUH with tubing. RU casing handling tools. LD 20 joints 9.625" casing. Tongs broke. Continue to pull 15 joints casing. Cut casing pins above boxes with torch. Shut in well.
- 5/6/05 Well pressures: 0#. PU spear. TIH with 94 joints tubing. Latch onto casing. Casing stuck. Jar on casing till free. TOH with tubing. LD spear and BHA. RU casing equipment. LD 34 joints 9.625" casing. Cut each joint with torch. NU casing head and 11" BOP. Shut in well.
- 5/9/05 Well pressures: 0#. TIH with 141 joints tubing and tag cement at 4419'. Load casing with 120 bbls of water. Procedure change approved by Eric Jones, BLM.
Plug #3 with 109 sxs Class B cement (129 cf) inside the 13.375 casing from 4418' to 4268' to cover the 9.625" casing stub.
PUH and WOC. TIH with tubing and tag cement at 4137'. PUH to 3698'. Load casing with 7 bbls of water.
Plug #4 with 97 sxs Class B cement (114 cf) inside the casing from 3698' up to 3548' to cover the salt zone. Plug depth determined by Eric Jones with BLM.
PUH to 627'. Shut in well.

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

505-325-2627 * fax: 505-325-1211

Intrepid Oil and Gas LLC
Kane Springs Fed #28-1

May 16, 2005

Page 3 of 3

Work Summary - Continued:

5/10/05 Well pressures: 0#. Perforate 3 holes at 686'. Attempt to establish circulation out of the bradenhead. Pump 220 bbls of water down the 13.375" casing at 2 bpm at 750# with no circulation or blow out the bradenhead (on a vacuum). TIH with tubing to 627'. Mix and pump LCM down tubing. Wait for LCM to cure. Load casing with 7 bbls of water.

Plug #5 with 315 sxs Class B cement (372 cf) inside the 13.375" casing from 627' up to 309' to cover the 20" casing shoe. Procedure change approved by BLM. TOH and LD all tubing. Load casing with 3 bbls of water. Displace cement, leave 109 sxs inside the 13.375" casing and squeeze 206 sxs outside the casing. Shut in well.

5/11/05 Well pressures: 0#. TIH with tubing and tag cement inside 13.375" casing at 550'. Load casing with 9 bbls of water. Pressure test casing to 1000#, held OK. TOH and LD all tubing. Perforate 6 holes at 100'. Attempt to establish circulation out the bradenhead with 70 bbls of water. Establish rate 2 bpm at 750# with no circulation out the bradenhead valve. Mix and pump 60 sxs LCM down bradenhead. Displace to 100'. Wait on LCM to cure. Attempt to establish circulation out the bradenhead with 120 bbls of water. Establish rate 2 bpm at 750#. No circulation. Load casing with 3 bbls of water.

Plug #6 with 204 sxs Class B cement (241 cf) pumped down the bradenhead annulus, displace down to 100'. Shut in well.

5/12/05 Well pressures: 0#. TIH with 4 joints tubing to 105'. No cement. TOH and LD tubing. Load casing with 8 bbls of water. Attempt to establish circulation out the bradenhead with 80 bbls of water; pumping 2 bpm at 750#. With no circulation or blow on the bradenhead. Mix and pump 8 sxs benonite gel and 2 sxs paper down bradenhead. Displace to 100'. Wait for LCM to cure. Load casing with 15 bbls of water.

Plug #7 with 160 sxs Type II cement (188 cf) pumped down the bradenhead. Displace to 3 bbls of water. Wait one hour. Displace cement to 109'. Establish circulation out the bradenhead with 20 bbls of water.

Plug #8 with 185 sxs Type II cement (218 cf) pumped inside casing from 100' to surface, circulate good cement out the bradenhead.

ND BOP. Dig out and cut off wellhead. Found cement at the surface.

RD & MOL.

Charlie Harrison, Intrepid, was on location.

Jack Johnson, BLM, was on location.